

The Gazette of India.

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Separate paging is given to this Part in order that it may be filed as a separate compilation.

CONTENTS.

PART I.—Government of India Notifications, Appointments, Promotions, Leave of Absence, General Orders, Rules and Regulations.

PART II.—Notifications by High Court, Comptroller General, Administrator General, Paper Currency Department, Presidency Pay Master, Money Order Department, Mint Master, Secretary and Treasurer, Bank of Bengal, Superintendent of Government Printing, and other Government Officers; Postal, Telegraph, and Commissariat Notices.

PART III.—Advertisements and Notices by private individuals and Corporations.

PART IV.—Acts of the Governor-General's Council assented to by the Governor-General:—

Nothing for Publication.

PART V.—Bills introduced into the Council of the Governor-General of India for making Laws and Regulations, or published under Rule 22:—

The Central Provinces Tenancy Bill.

The Inland Steam-vessels and Indian Steamships Acts, 1884, Amendment Bill.

PART VI.—Abstract of the Proceedings of the Council of the Governor-General of India, assembled for the purpose of making Laws and Regulations on the 3rd July, 1889.

SUPPLEMENT No. 27.

PART I.

Government of India Notifications, Appointments, Promotions, &c.

LEGISLATIVE DEPARTMENT.

NOTIFICATION.

Simla, the 5th July, 1889.

No. 17.—The following Statute is published for general information:—

COMMISSIONERS FOR OATHS ACT, 1889.

[52 VICTORIA, CHAPTER 10.]

An Act for amending and consolidating enactments relating to the administration of Oaths.

[31st MAY, 1889.]

BE it enacted by the Queen's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:—

1. (1) The Lord Chancellor may from time to time, by commission signed by him, appoint persons being practising solicitors

or other fit and proper persons to be commissioners for oaths, and may revoke any such appointment.

(2) A commissioner for oaths may, by virtue of his commission, in England or elsewhere, administer any oath or take any affidavit for the purposes of any court or matter in England, including any of the ecclesiastical courts or jurisdictions, matters ecclesiastical, matters relating to applications for notarial faculties, and matters relating to the registration of any instrument, whether under an Act of Parliament or otherwise, and take any bail or recognizance in or for the purpose of any civil proceeding in the Supreme Court, including all proceedings on the revenue side of the Queen's Bench Division:

(3) Provided that a commissioner for oaths shall not exercise any of the powers given by this section in any proceeding in which he is solicitor to any of the parties to the proceeding, or clerk to any such solicitor, or in which he is interested.

2. Every person who, being an officer of or Powers of certain performing duties in re-officers of court, &c., to administer oaths. lation to any court, is for the time being so authorised by a judge of the court, or by or in pursuance of any rules or orders regulating the procedure

of the court, and every person directed to take an examination in any cause or matter in the Supreme Court, shall have authority to administer any oath or take any affidavit required for any purpose connected with his duties.

3. (1) Any oath or affidavit required for the purpose of any court or matter in England, or for the purpose of the registration of any instrument in any part of the United Kingdom, may be taken or made in any place out of England before any person having authority to administer an oath in that place.

(2) In the case of a person having such authority otherwise than by the law of a foreign country, judicial and official notice shall be taken of his seal or signature affixed, impressed, or subscribed to or on any such oath or affidavit.

4. The Lord Chancellor may, whenever it appears to him necessary to do so, authorize any person to administer oaths and take affidavits for any purpose relating to prize proceedings in the Supreme Court, whilst that person is on the high seas or out of Her Majesty's dominions, and it shall not be necessary to affix any stamp to the document by which he is so authorised.

5. Every commissioner before whom any oath or affidavit is taken or made under this Act shall state truly in the jurat or attestation at what place and on what date the oath or affidavit is taken or made.

6. (1) Every British ambassador, envoy, minister, chargé d'affaires, and secretary of embassy or legation exercising his functions in any foreign country, and every British consul-general, consul, vice-consul, acting consul, pro-consul, and consular agent exercising his functions in any foreign place, may, in that country or place, administer any oath and take any affidavit, and also do any notarial act which any notary public can do within the United Kingdom; and every oath, affidavit, and notarial act administered, sworn, or done by or before any such person shall be as effectual as if duly administered, sworn, or done by or before any lawful authority in any part of the United Kingdom.

(2) Any document purporting to have affixed, impressed, or subscribed thereon or thereto the seal and signature of any person authorised by this section to administer an oath in testimony of any oath, affidavit, or act being administered, taken, or done by or before him, shall be admitted in evidence without proof of the seal or signature being the seal or signature of that person, or of the official character of that person.

7. Whoever wilfully and corruptly swears falsely in any oath or affidavit taken or made in accordance with the provisions of this Act shall be guilty of perjury in every case where if he had so sworn in a judicial proceeding before a court of competent jurisdiction he would be guilty of perjury.

8. Whoever forges, counterfeits, or fraudulently alters the seal or signature of any person

authorised by or under this Act to administer an oath, or tenders in evidence for other wise uses, any affidavit having any seal or signature so forged or counterfeited or fraudulently altered, knowing the same to be forged, counterfeited, or fraudulently altered, shall be guilty of felony, and liable on conviction to penal servitude for any term not exceeding seven years and not less than five years, or to imprisonment with or without hard labour for any term not exceeding two years.

9. Any offence under this Act, whether committed within or without Her Majesty's dominions, may be inquired of, dealt with, tried, and punished in any county or place in the United Kingdom in which the person charged with the offence was apprehended or is in custody, and for all purposes incidental to or consequential on the trial or punishment the offence shall be deemed to have been committed in that county or place.

10. Where any offence under this Act is alleged to have been committed with respect to any affidavit, a judge of any court before which the affidavit is produced may order the affidavit to be impounded and kept in such custody and for such time and on such conditions as he thinks fit.

11. In this Act, unless the context otherwise requires,—

“oath” includes affirmation and declaration :
 “affidavit” includes affirmation, statutory or other declaration, acknowledgment, examination, and attestation or protestation of honour :
 “swear” includes affirm, declare, and protest :
 “Supreme Court” means the Supreme Court of Judicature in England.

12. The enactments specified in the schedule to this Act are hereby repealed to the extent specified in that schedule :

Provided that this repeal shall not affect—

- (a) anything done or suffered under any enactment repealed by this Act ; nor
 - (b) any appointment made under or authority given by or in pursuance of any enactment so repealed ; nor
 - (c) any punishment incurred or to be incurred in respect of any offence committed before the commencement of this Act against any enactment so repealed ; nor
 - (d) any legal proceeding for enforcing any such punishment ;
- and any such legal proceeding may be instituted or continued and any such punishment may be imposed as if this Act had not been passed.

13. A commissioner authorised before the commencement of this Act to administer oaths in the Supreme Court shall be deemed to be a commissioner for oaths within the meaning of this Act.

14. This Act shall commence and come into operation on the first day of January one thousand eight hundred and ninety.

Short title.

15. This Act may be cited as the Commissioners for Oaths Act, 1889.

SCHEDULE.

A description or citation of a portion of an Act is inclusive of the words, sections, or other parts, first and last mentioned, or otherwise referred to as forming the beginning, or as forming the end respectively, of the portion comprised in the description or citation.

Session and Chapter.	Title.	Extent of repeal.
16 & 17 Chas. 2, c. 9.	An Act to empower the Chancellor of the duchy to grant commissions for taking affidavits within the duchy liberty.	The whole Act.
17 Geo. 2, c. 7	An Act for taking and swearing affidavits to be made use of in any of the courts of the county palatine of Lancaster.	The whole Act.
4 Geo. 3, c. 21	An Act for taking and swearing affidavits to be made use of in any of the courts of the county palatine of Durham.	The whole Act.
6 Geo. 4, c. 87	An Act to regulate the payment of salaries and allowances to British consuls at foreign ports, and the disbursements at such ports for certain public purposes.	Section twenty.
3 & 4 Will. 4, c. 42.	An Act for the further amendment of the law and the better advancement of justice.	Section forty-two.
4 & 5 Will. 4, c. 42.	An Act to facilitate the taking of affidavits and affirmations in the court of the Vice Warden of the Stanuaries of Cornwall.	The whole Act.
2 & 3 Vict., c. 58.	An Act to make further provision for the administration of justice and for improving the practice and proceedings in the courts of the Stanuaries of Cornwall.	Section six from "and that any commissioner."
5 & 6 Vict., c. 103.	An Act for abolishing certain offices of the High Court of Chancery in England.	Sections seven and eight.
6 & 7 Vict., c. 82.	An Act the title of which begins with the words "An Act for extending," and ends with the words "examination of witnesses."	Sections one to four.
11 & 12 Vict., c. 10.	An Act for empowering certain officers of the High Court of Chancery to administer oaths and take declarations and affirmations.	The whole Act.
15 & 16 Vict., c. 76.	The Common Law Procedure Act, 1852.	Section twenty-three.
15 & 16 Vict., c. 86.	An Act to amend the practice and course of proceeding in the High Court of Chancery.	Sections twenty-two, twenty-three, and twenty-four.
16 & 17 Vict., c. 70.	The Lunacy Regulation Act, 1853.	Section fifty-seven.

Session and Chapter.

Title.

Extent of repeal.

16 & 17 Vict., c. 78.	An Act relating to the appointment of persons to administer oaths in Chancery, and to affidavits made for purposes connected with registration.	The whole Act.
17 & 18 Vict., c. 78.	The Admiralty Court Act, 1854.	Section six from "and any examiner" to the end of the section. Sections seven to eleven.
18 & 19 Vict., c. 42.	An Act to enable British diplomatic and consular agents abroad to administer oaths and do notarial acts.	The whole Act.
18 & 19 Vict., c. 134.	An Act the title of which begins with the words "An Act to make further provision," and ends with the words "leasing and sale thereof."	Section fifteen.
20 & 21 Vict., c. 77.	An Act to amend the law relating to probates and letters of administration in England.	Section twenty-seven to "Provided that" and from "and any person who" to end of section.
21 & 22 Vict., c. 95.	An Act to amend the Act of the twentieth and twenty-first Victoria, chapter seventy-seven.	Sections thirty to thirty-four.
21 & 22 Vict., c. 108.	An Act to amend the Act of the twentieth and twenty-first Victoria, chapter eighty-five.	Sections twenty to twenty-three.
22 Vict., c. 16	An Act the title of which begins with the words "An Act to enable," and ends with the words "of the Exchequer."	The whole Act except section five.
28 & 29 Vict., c. 104.	The Crown Suits, &c., Act, 1865.	Sections eighteen, nineteen, forty-three, and forty-four.
32 & 33 Vict., c. 38.	The Bails Act, 1869.	The whole Act.
40 & 41 Vict., c. 25.	The Solicitors Act, 1877.	Section eighteen.

S. FARVEY JAMES,

Secretary to the Government of India.

HOME DEPARTMENT.

NOTIFICATIONS.

PUBLIC.

Simla, the 29th June, 1889.

No. 1190.—In exercise of the powers conferred by section 5 of the Indian Explosives Act, 1884, the Governor-General in Council is pleased to make the following additions to Rules

12 and 17 of the Rules to regulate the transport and importation of Explosives, published in Home Department Notification No. 1417, dated the 24th June, 1887:

but if any explosive imported under a license into a British port is exported thence to another British port named in Rule 10, the necessary license for such re-import may be granted on payment of a fee of one rupee instead of rupees 10.

ESTABLISHMENTS.

The 3rd July, 1889.

No. 364.—The services of Mr. D. Fitzpatrick, C.S.I., Chief Commissioner of Assam, are placed at the disposal of the Foreign Department, with effect from the date on which he may be relieved by Mr. J. Westland, C.S.I.

No. 365.—Mr. J. Westland, C.S.I., Secretary to the Government of India in the Department of Finance and Commerce, is appointed to be Chief Commissioner of Assam, with effect from the date on which he takes over charge of the appointment from Mr. D. Fitzpatrick, C.S.I.

The 4th July, 1889.

No. 370.—Sir F. R. Hogg, K.C.I.E., C.S.I., has been permitted to resign Her Majesty's Bengal Civil Service, with effect from the 13th May, 1889.

MEDICAL.

The 4th July, 1889.

No. 411.—The services of Surgeon R. J. Macnamara, M.D., I.M.S., Medical Officer, Wing 6th Bengal Infantry, are temporarily placed at the disposal of the Government of the Punjab.

No. 413.—The services of Surgeon A. Slocck, M.B., are placed permanently at the disposal of the Chief Commissioner, Central Provinces.

No. 415.—The services of the undermentioned Medical Officers are temporarily placed at the disposal of the Chief Commissioner of Burma:

Surgeon H. M. Morris, I.M.S., officiating Medical Officer, 21st Bengal Infantry.

Surgeon A. R. P. Russell, I.M.S.

No. 417.—Deputy Surgeon-General W. R. Rice, M.D., Inspector-General of Civil Hospitals, North-Western Provinces and Oudh, is granted three months' privilege leave, with effect from the 5th August, 1889, or any subsequent date on which he may avail himself of the same.

The 5th July, 1889.

No. 421.—The services of Surgeon J. Morwood, M.D., I.M.S., are temporarily placed at the disposal of the Government of the North-Western Provinces and Oudh.

No. 423.—The services of the undermentioned Medical Officers are placed temporarily at the disposal of the Government of the North-Western Provinces and Oudh:

Surgeon C. Mactaggart, M.B., I.M.S.

Surgeon W. G. P. Alpin, M.D., I.M.S.

JAILS.

The 4th July, 1889.

No. 451.—The services of Surgeon T. R. Macdonald, M.B., are placed permanently at the disposal of the Chief Commissioner, Central Provinces.

POLICE.

The 5th July, 1889.

No. 441.—The services of Lieutenant E. R. Hartigan, Bombay Staff Corps, which were placed at the disposal of the Chief Commissioner of Burma for employment with the Military Police in Upper Burma by Home Department Notification No. 43, dated the 31st January, 1889, are replaced at the disposal of the Military Department.

A. P. MACDONNELL,

Secretary to the Government of India.

REVENUE AND AGRICULTURAL DEPARTMENT.

NOTIFICATIONS.

PATENTS.

Simla, the 29th June, 1889.

No. 1330-1'.—Specifications of the undermentioned inventions have been filed, under the provisions of Act XV. of 1859, in the Office of the Secretary to the Government of India in the Revenue and Agricultural Department. Copies have been sent to one of the Secretaries to each of the Governments of Bengal, Fort St. George, Bombay, and the North-Western Provinces. A copy of every specification is open to public inspection at all reasonable hours at the Office of the Secretary to the Government of India in the Revenue and Agricultural Department at the Presidency, upon payment of a fee of one Rupee. A certified copy of any specification will be given to any person requiring the same on payment of the expense of copying.—

No. 45 of 1888.—Fleewood Williams, C.S.I., late of the Bengal Civil Service, North-Western Provinces, resident of Nynce Tai, Kumaon Division, North-Western Provinces, India, for an improved windmill to be used as a motive power for any kind of machinery, to be called, "The Indian Wind Engine."

No. 11 of 1888.—The Cassel Gold Extracting Company, Limited, of 157, West George Street, Glasgow, in the County of Lanark, North Britain, for improvements in obtaining gold and silver from ores and other compounds.

No. 1331-1'.—Specifications of the undermentioned inventions have been filed, under the provisions of Act V. of 1888, in the Office of the Secretary to the Government of India in the Revenue and Agricultural Department. Copies have been sent to the Governments of Fort St. George and Bombay and the Chief Commissioner of Burma. A copy of every specification is open to public inspection at all reasonable hours at the Office of the Secretary to the Government of India in the Revenue and Agricultural Department at the Presidency, upon payment of a fee of one Rupee. A certified copy of any specification will be given to any person requiring the same on payment of the expense of copying.—

No. 81 of 1888.—Makhu Lal, and Sohun Lal, Merchants of Cawnpore, in the North-Western Provinces, for a machine cultivator.

No. 104 of 1889.—Charles Henri Theodore Havemann of Paris, in the Republic of France, Merchant, and Albert Berwick Cunningham of London, England, Gentleman, for improvements relating to the extraction of gold, silver and lead from substances containing the same and to apparatus therefor.

No. 105 of 1889.—Bogdan Hoff, of the City of Jaroslau, Galicia, Austria, Professor, for improvements of apparatus for rectification.

No. 121 of 1889.—La Société des Générateurs à Vaporisation Instantanée (Système Serpollet), a Company incorporated according to the laws of France, of Paris, France, Engineers, for improvements in apparatus for generating steam.

FORESTS.

The 5th July, 1889.

No. 666-F.—ERRATUM.—In the Notification of this Department No. 382-F., dated 3rd May, 1889, for "with effect from 29th April, 1889, and until further orders," read "with effect from 11th May, 1889, and until further orders."

E. C. BUCK,

Secretary to the Government of India

FOREIGN DEPARTMENT.

NOTIFICATIONS.

Simla, the 29th June, 1889.

No. 1176-G.—The Governor-General in Council is pleased to recognise the appointment of Mr. Augustus Wirz as Acting Consul for Austria and Hungary at Aden, during the absence of Mr. V. Escher.

No. 1183-G.—M. Vishwanathum Moodhar, officiating Extra Assistant Commissioner of the 5th Class, in the Hyderabad Assigned Districts, is appointed to be an Extra Assistant Commissioner of the 5th Class, with effect from the 26th November, 1888, *vice* Pandit Suraj Narayan, Supernumerary Assistant Commissioner of the 3rd Class, absorbed.

No. 1185-G.—The following substantive promotions and appointment are made in the Berar Commission, with effect from the 19th April, 1889, consequent on the retirement of Colonel J. Fitzgerald, Deputy Commissioner of the 2nd Class:

Mr. H. B. Knowlys, Deputy Commissioner of the 3rd Class, to be a Deputy Commissioner of the 2nd Class.

Lieutenant-Colonel H. deP. Rennick, Assistant Commissioner of the 1st Class, to be a Deputy Commissioner of the 3rd Class.

Mr. C. A. W. Davies, Assistant Commissioner of the 2nd Class, to be an Assistant Commissioner of the 1st Class.

Dastur Edalji Bymonji, Assistant Commissioner of the 3rd Class, to be an Assistant Commissioner of the 2nd Class.

Mr. Stanley Murray, Extra Assistant Resident in charge of the Residency Civil Offices in Hyderabad, to be an Assistant Commissioner of the 3rd Class.

No. 1187-G.—The following temporary appointments are made in the Berar Commission, consequent on the departure on furlough of Mr. H. B. Knowlys, Deputy Commissioner of the 2nd Class, and with effect from the dates specified:

Mr. H. S. Nicholletts, Deputy Commissioner of the 3rd Class, to officiate as a Deputy Commissioner of the 2nd Class,—23rd May, 1889.

Mr. R. Obbard, Special Assistant Commissioner, Akola, to officiate as a Deputy Commissioner of the 3rd Class, with effect from the date of assuming charge.

Consequent on Mr. Obbard's making over charge of the duties of Special Assistant Commissioner, Akola, the following temporary appointments are made, with effect from the 21st May, 1889:

Mr. C. A. W. Davies, Assistant Commissioner of the 1st Class, to officiate as Special Assistant Commissioner, Akola.

Dastur Edalji Bymonji, Assistant Commissioner of the 2nd Class, to officiate as an Assistant Commissioner of the 1st Class.

The 1st July, 1889.

No. 1189-G.—In consequence of the introduction of the Hyderabad Assigned Districts Courts Law, 1889, the following appointments are made in the Berar Commission, with effect from this date, unless otherwise stated:

Colonel R. Bullock, Deputy Commissioner of the 2nd Class (on furlough), to be Civil and Sessions Judge.

Mr. R. Obbard, C.S., Special Assistant Commissioner, and officiating Deputy Commissioner of the 3rd Class, to officiate as Civil and Sessions Judge, during the absence on furlough of Colonel R. Bullock, or until further orders.

Captain R. V. Garrett, Assistant Commissioner of the 3rd Class, and officiating Assistant Commissioner of the 2nd Class, to be an Assistant Commissioner of the 2nd Class.

Mr. J. O'Grady, Inspector of Police in the Hyderabad Assigned Districts, to be an Extra Assistant Commissioner of the 5th Class, with effect from the date of assuming charge.

No. 2607-I.—In continuation of the notification of the Government of India in the Foreign Department, No. 1385-I., dated the 20th March, 1889, the Governor-General in Council is pleased to appoint Colonel K. J. L. Mackenzie to be Judicial Commissioner in the Hyderabad Assigned Districts, with effect from this date.

No. 2614-I.—The Governor-General in Council has received with satisfaction the information that the Nawab of Loharu, in the Punjab, has abolished all transit dues in his State.

The 3rd July, 1889.

No. 1202-G.—Captain A. F. DeLaessoe, C.M.G., C.I.E., officiating Political Assistant of the 1st Class, is posted, on return from privilege leave, as Assistant Commissioner of Merwara, with effect from the date of assuming charge.

No. 1205-G.—The Governor-General in Council is pleased to recognise the appointment of Mr. J. Young as Acting Consular Agent for the United States of America at Moulmein, during the absence of Mr. J. E. Orr.

No. 1208-G.—The Governor-General in Council is pleased to recognise the appointment of Mr. John MacLiesb as Acting Consular Agent for the United States of America at Rangoon, during the absence of Mr. W. G. Reddie.

The 4th July, 1889.

No. 1213-G.—Lieutenant L. S. Newmarch, Political Assistant of the 3rd Class, and officiating Cantonment Magistrate at Secunderabad, is granted privilege leave, for three months, with effect from the 25th July, 1889, or the subsequent date on which he may avail himself of the leave.

No. 1219-G.—Lieutenant M. A. Tighe, officiating Political Assistant of the 3rd Class, and Assistant to the Resident, and to the General Superintendent of Operations for the Suppression of Thagi and Dakaiti at Hyderabad, has passed in the subjects prescribed under clause A, rule II, of the rules for the examination of junior officers in the Political Department.

No. 1272-E.—In exercise of the powers vested in him by Statute 28 and 29 Victoria, Chapter 17, section 4, the Governor-General in Council is pleased to declare that the tract of land herein below described, which is at present subject to the Government of Bombay, and forms a portion of the Kashmir Taluka of the Upper Sind Frontier District in the Province of Sind, shall henceforward be subject to the Punjab Government.

The said tract is triangular in shape, the western and eastern boundaries meeting at a point due north, which is the apex of the triangle. Its boundaries on the three sides of the triangle are as follows, *viz.* :

Eastern side.—The right (west) bank of the Sori river from Kabrodani, where the Kalat boundary crosses it to a pillar standing on the same bank which is known as the Sirian boundary pillar, and is about one mile (bearing S. 41 W.) from the Siria wells. Thence through a series of pillars numbered from 2 to 9, the last of which is on the present high bank of the Indus. Thence along the river frontage to the head of the disused canal known as the Adiowah; this frontage to carry with it the right to alluvial

accretions formed opposite to it, but such accretions to be limited to the south by a line drawn from the head of the Adiowah to the trijunctional pillar, known as the Trigati, which marks the meeting of the boundaries of Sind, the Punjab, and the Bahawalpur State on the left bank of the Indus.

Western side.—A straight line from the Leni tower to Kabrodani.

Base.—A line running from the point where the Adiowah now strikes the Indus along the northern bank of the former to within 1,000 feet of the toe of the Kashmir Bund. Thence parallel to the Kashmir Bund to a point 1,000 feet beyond the northern end of the Bund. Thence a straight line to the Kiwali fort. Thence along an irregular line marked on the ground by a trench and bank to a masonry pillar about one mile south-east of the tail of the Sardaruwah.

Thence to a pillar at the tail of that canal and thence by a line drawn at right angles to a direct line between the Kashmir boundary pillar (Jacob's pillar) and the Leni tower, and thence from a pillar erected at the point of their intersection to the Leni tower.

No. 2661-I.—Lieutenant A. F. Pinhey, Political Assistant of the 3rd Class, and officiating Political Assistant of the 2nd Class and Assistant Political Agent at Banswara, is appointed to be an Additional Political Assistant of the 1st Class and Superintendent of Operations for the Control of the Moghyas in Central India and Rajputana, with effect from the 1st July, 1889. Lieutenant Pinhey will continue to be Assistant Political Agent at Banswara, in addition to his other duties, from the same date.

No. 2665-I.—Under section 433, sub-section (4), of the Code of Civil Procedure, the Governor-General in Council is pleased to authorise the Government of the North-Western Provinces and Oudh, and any of its Secretaries, to exercise, with respect to the Raja of Kapurthala's estates and property in Oudh, the functions assigned by sub-sections (1), (2), and (3) of the said section to the Governor-General in Council and a Secretary to the Government of India, respectively.

The 5th July, 1889.

No. 1228-G.—The services of Mr. A. P. Howell, Resident of the First Class, and Resident at Hyderabad, sub. *pro tempore*, are replaced at the disposal of the Home Department, with effect from the date on which he may relinquish charge.

No. 1231-G.—Mr. D. Fitzpatrick, C.S.I., Chief Commissioner of Assam, is appointed to be a Resident of the First Class, and Resident at Hyderabad, with effect from the date of assuming charge, *vice* Mr. A. P. Howell.

H. M. DURAND,

Secretary to the Government of India

DEPARTMENT OF FINANCE AND COMMERCE.

NOTIFICATIONS.

ACCOUNTS AND FINANCE.

No. 3280.

Simla, the 29th June, 1889.

The Governor-General in Council has determined to borrow two hundred lakhs of Rupees, being the amount required for the public service.

The following Notification is therefore published :

FOUR PER CENT. LOAN.

His Excellency the Right Honourable the Governor-General in Council has resolved to borrow two hundred lakhs of rupees for the public service in the following manner.

2. Promissory Notes will be issued for the said amount in Form A annexed to this Notification, being the form of the notes of *The Four Per Cent. Loan of 1854-55*, of which Loan the notes to be now issued will form a part. All the conditions which apply to notes of *The Four Per Cent. Loan of 1854-55* will apply to the notes to be now issued.

3. Tenders for the whole or any part of the said amount of Rs. 2,00,00,000 will be received by the Comptroller-General from this date to noon of Tuesday, the 30th July next. Tenders must be in sums of 500 Rupees or multiples of 500 Rupees.

4. Each tender must be addressed, in the form annexed to this Notification, to the Comptroller-General, Calcutta, and enclosed in a closed cover, superscribed, "*Tender for the Four Per Cent. Loan.*" If the tenderer is not resident in India, he must name an agent resident in India to whom a letter of allotment may be issued, if any part of the loan is allotted to such tenderer.¹

(a) Each tender must be accompanied by a receipt from the Head Office of the Bank of Bengal, or Madras, or Bombay, or one of their Branches, or from an officer in charge of some Public Treasury, or by a cheque drawn in favour of the Comptroller-General on a Bank in Calcutta, Madras, or Bombay, or in favour of the Accountant-General, Bombay or Madras, on a Bank in Bombay or Madras respectively in respect of tenders received by him, or by Government promissory notes, standing in the name of or endorsed to the tenderer or the person making the deposit, for not less than one-hundredth, or, if the tender be for less than Five Lakhs of Rupees, then for not less than one-fiftieth part of the tender.

(b) Deposits, not being promissory notes, will, in the case of accepted tenders, be credited proportionally in part payment of the allotment-certificates issued in respect of the tender, and will bear interest for the purpose of clause 14 below from the date of the opening of tenders. When a tender is not accepted in full, the deposits, when they are not in the form of promissory notes, will be credited as far as possible proportionately in even tens of rupees in part payment of the allotment-certificates issued in respect of it. If any allotment-certificate is not fully taken up, the deposit credited in respect of it will be forfeited.

(c) Promissory notes deposited in respect of any accepted tender will be held until all the allotment-certificates issued in respect of the tender are paid up, and will, if the allotment-certificates are not fully taken up, be appropriated by the Government and cancelled.

¹ Tenders made in accordance with these instructions will also be received by the Accountants-General, Madras and Bombay, on account of the Comptroller-General, Calcutta, on the 29th July and up to 11-30 or 11 o'clock local time respectively (corresponding with 12 o'clock in Calcutta) on the 30th July; provided that—

(a) they are delivered personally or by clerk or messenger at his office (where a receipt will be given for them);

(b) they are made on printed Forms, to be obtained at his office or at the local Presidency Bank;

(c) each tender is for not less than Rs. 10,000;

(d) that the deposit is either a promissory note, or a Treasury Receipt from the Head Office of the local Presidency Bank, or a cheque on a local Bank in Madras or Bombay, respectively;

(e) that the amount of the tender is made payable either in Calcutta, Madras, or Bombay;

and he will return deposits on non-accepted tenders, and will issue allotment-certificates so far as the tenders are payable in Madras or Bombay.

5. The rate at which a tender is made must not contain a fraction of an anna: if a rate containing a fraction of an anna is inserted in any tender, such fraction will be struck out and the tender treated as if the rate did not contain such fraction of an anna.

6. The rate at which each tender is made must be specified in rupees or annas: a tender in which no rate is thus specified, but a subscription is offered in some other terms—as, for example, at the recorded minimum, or at some specified percentage in addition to the recorded minimum, or at the average of the accepted tenders—will be rejected as null and void.

7. The minimum rate at which tenders will be accepted will be recorded under the signature of the Comptroller-General, and, before the tenders are opened, placed upon the table in a sealed envelope, but will not be declared unless some tender is rejected only because it is below the recorded minimum.

8. Tenders will be opened publicly by the Comptroller-General at the Treasury Buildings, Calcutta, at noon (Calcutta time), on Tuesday, the 30th July next, and those received under the terms of the footnote under clause 4 will be similarly opened by the Accountant-General, Madras, at 11-30 (Madras time), and by the Accountant-General, Bombay, at 11 o'clock (Bombay time), on the same day; but the contents of the tenders will not be disclosed otherwise than as provided in clause 10.

9. Tenders at the recorded minimum rate, and at rates above the recorded minimum rate, will be accepted in the order of the rates tendered, beginning with the highest rate; the amount allotted at the lowest rate at which tenders are accepted will be divided amongst those who have tendered at this rate in proportion, as nearly as may be found convenient, to the amounts of their tenders; provided that no allotment will be issued if the amount distributable on any tender is less than ₹500.

10. To each tenderer (or to his agent) whose tender is accepted in whole or in part, such number of allotment-certificates as may be necessary to make up the aggregate amount allotted to him will be issued by the Comptroller-General as soon as possible after the 30th July; and an alphabetical list of the names of those to whom such allotment-certificates are issued will be posted, for general information, at the Head Offices of the Banks of Bengal, Madras, and Bombay.

11. If the allotment made on any tender is less than ₹3,000, then the whole of the allotment-certificates (after credit of the deposit under clause 4 (b)) will be made payable upon the 10th September.

Otherwise the whole amount of each allotment will be divided into three instalments, as follows:

Instalment I—As near as convenient to 35 per cent., but not exceeding 35 per cent., payable upon the 13th August:

Instalment II—As near as convenient to 35 per cent., but not exceeding 35 per cent., payable upon the 10th September:

Instalment III—The balance payable upon the 28th September: and allotment-certificates will be issued for each instalment separately.

But the whole or any part of any accepted tender may be paid at any time after receipt of the allotment-certificates.

The words "as near as convenient" refer to the necessity for making each instalment an exact multiple of ₹500.

12. Any allotment-certificate will, on application to the Comptroller-General, be exchanged for an equivalent amount of allotment-certificates of smaller denominations, provided that if any payment (beyond the deposit) is recorded upon the cancelled certificate, it can be taken against, and recorded upon, only one of the certificates issued in exchange.

13. Payment of any allotment-certificate may be made to the account of the Government in the Head Office of the Bank of Bengal, or Madras, or Bombay, or in any Branch of these Banks, or into any Public Treasury or Treasuries in India which may be named in the tender in respect of which it was issued. Receipts for such payments will be given by the Banks of Bengal, Madras, and Bombay, or their Branches, or by the Officers in charge of the Government Treasuries at which payment is made, by encasement upon the relative certificate.

¹ For tenders received by the Accountant-General, Madras or Bombay, and payable at those places, the Accountant-General will issue the allotment certificates.

14. (a) When any allotment-certificate is fully paid up, the holder will, on presenting it duly receipted at the place where it was paid, obtain from the Public Debt Office, Calcutta, promissory notes of such values as he may desire (each note being in even hundreds and not less than ₹500), bearing interest from 31st December 1889, and he will also receive interest at 4 per cent. per annum from the dates on which he may have made payment till the 30th of December 1889.

(b) Or he may, at his option,* by paying interest at the said rate from 30th June 1889 to the dates on which he may have made payment, obtain promissory notes as above, bearing interest from 30th June 1889.

FORM A. OF PROMISSORY NOTE—(see Clause 2).

Fort William, the

<i>Promissory Note</i>	<i>Government Rupees</i>	<i>at 4 per cent.</i>
<i>No.</i>		<i>of 1854-55.</i>

The Governor-General of India in Council does hereby acknowledge to have received from the sum of Government Rupees Five Hundred only as a loan to the Secretary of State in Council for India, and does hereby promise, for and on behalf of the said Secretary of State in Council, to repay the said loan, by paying the said sum of Government Rupees Five Hundred only to the said his Executors, or Administrators, or his or their Order, on demand, at the General Treasury at Fort William, after the expiration of Three Months' Notice of Payment, to be given by the Governor-General of India in Council, in the *Government Gazette*, and to pay the interest accruing on the said sum of Government Rupees Five Hundred only from the at the rate of four per cent. per annum, by half-yearly payments, at the General Treasury at Fort William, to the said his Executors or Administrators, or his or their Order, until the expiration of three months after such notice of payment as aforesaid when the amount of interest due will be payable with the principal, and (such notice being considered as equivalent to a tender of payment at the period appointed for the discharge of this note) all further interest shall cease.

FORM B. OF TENDER—(see Clause 4).

I, A. B., hereby tender for Rupees (X) of *The Four Per Cent. Loan*, advertised in the Notification published in the *Gazette of India, Extraordinary*, dated the 29th June 1889, and agree to pay for the same, subject to the conditions notified, at the rate of Rupees (Y) Annas (Z) for every hundred rupees allotted to me.

I enclose a *deposit receipt** for Rupees (XY), and engage, if my offer be accepted, to

* Or Cheque or Government Promissory Note. pay to the account of the Government at the *Bank of*
 † Here enter the name of Bank, Branch Bank, (or at the *Branch of the*
 or Treasury. *Bank of* ; or into the *Public Treasury at*
as the case may be—

The first instalment, not exceeding 35 per cent., on or before 13th August 1889.

The second instalment, not exceeding 35 per cent., on or before 10th September 1889.

The balance on or before 28th September 1889.

Or, if the amount allotted to me be less than ₹3,000, then the whole amount on or before 10th September 1889.

‡ Here insert C. D.'s address, which must be in India. This paragraph should only be inserted if A. B. does not reside in India, or, if residing in India, he wishes the allotment communicated to an agent, or desires to pay the instalments elsewhere than at the place where the tender is submitted, and wishes the allotment certificates to be given to an agent at that place.

Any allotment made to me may be communicated to C. D. at ‡

NOTE (1).—A separate tender must be made at each rate tendered. The rate tendered should be the whole amount per centum, not the premium or discount: thus, "One hundred and two" or "One hundred" or "Ninety-nine"; not "Two per cent. premium" or "Par" or "One per cent. discount."

By order of the Governor-General in Council,

E. J. SINKINSON,

Offg. Secretary to the Government of India.

NOTIFICATION BY THE COMPTROLLER GENERAL.

The Comptroller-General requests the attention of tenderers to the following arrangements:

Filling up Tenders.

(1) They are requested to use only the printed forms of tender, which will be available at his Office and at the Currency Office, on application to the Durwan on duty,—at all the Provincial Account Offices, and at the Banks of Bengal, Madras, and Bombay; and will also be supplied to the principal Treasuries.

(2) If the deposit is in the form of Promissory Notes, or of Currency Notes, their number should be quoted in detail in the tender.

Presentation of Tenders.

(3) For all tenders presented to him in his Office upon the last fixed day, or the two days preceding it, he will give the bearer a receipt bearing a number and initialled by himself or an assistant specially deputed for the purpose. The Accountants-General, Madras and Bombay, will do likewise in respect of tenders presented to them under the note to clause 4 of the Government Notification.

Return of Deposit in case of Non-Acceptance.

(4) The reverse of this receipt is a form in which, in the event of the tender not being accepted, the tenderer may give to the Comptroller-General or Accountant-General, Madras or Bombay, a receipt for the deposit accompanying it. This form should on the third day after the opening of the tenders be filled up, signed with the same signature as the tender, and be presented at the Office of the Comptroller-General, or Accountant-General, Bombay or Madras. The deposit will then be returned to the bearer in exchange for the receipt.

(5) Deposit upon tenders presented personally, as described in No. (3) above, will be returned only in this way, and will not be sent by post or otherwise. Deposits upon other unsuccessful tenders will be returned by post or by the hands of a clerk.

Accepted Tenders.

(6) The Comptroller-General, and in a few cases the Accountant-General, Madras or Bombay, will issue allotment-certificates to successful tenderers. These certificates will be for the following amounts:—Rs 500, Rs 1,000, Rs 2,000, Rs 5,000, Rs 10,000, Rs 20,000, Rs 50,000, Rs 1,00,000, making up the full value accepted; and the deposit on the tender will be divided among them; they will be, substantially, of the following form:

This is to certify that, in accordance with the terms of Notification No. 3280, dated 29th June 1889 (Gazette of India Extraordinary, dated 29th June 1889), the abovenamed tenderer has engaged to take up Rs 2,000 of the 4 Per Cent. Loan of 1854-55 at the rate above mentioned, on or before _____; and that on the said payment being completed, he is entitled on endorsing and delivering up this certificate to receive a promissory note or notes of the Government of India for Rs 2,000, bearing interest from _____

CALCUTTA,

E. GAY,

The 29th June, 1889.

Comptroller and Auditor General.

LEAVE AND APPOINTMENTS.

The 27th June, 1889.

No. 3243.—Mr. W. J. Ham, Assistant Director-General of the Post Office of India, and Deputy Postmaster-General of the 2nd Grade, is granted privilege leave for three months from the 17th July, 1889.

Mr. E. A. Roussac, Deputy Postmaster-General, 3rd Grade, is appointed to officiate in the 2nd Grade, and Babu Saroda Pershad Roy, Superintendent in the Director-General's Office, to officiate as Deputy Postmaster-General, 3rd Grade, and to act as Assistant Director-General of the Post Office of India during the absence of Mr. Ham on privilege leave.

The 2nd July, 1889.

No. 3340.—The services of Mr. J. Westland, C.S.I., Secretary to the Government of India in

this Department, are placed at the disposal of the Home Department.

The 4th July, 1889.

No. 3441.—Mr. R. Logan, Accountant-General, Punjab, is granted privilege leave for two months and twenty-six days from the 10th July, 1889, or any subsequent date on which he may avail himself of it.

Mr. E. S. Byrne, Deputy Auditor-General, is appointed to officiate as Accountant-General, Punjab, during the absence on privilege leave of Mr. R. Logan.

E. J. SINKINSON,

MILITARY DEPARTMENT.

Simla, the 5th July, 1889.

FIELD OPERATIONS.**LUSHAI.**

No. 592.—The Governor-General in Council is pleased to direct the publication, for general information, of the subjoined correspondence relating to the operations recently carried out by the Lushai Expeditionary Force, under the command of Colonel V. W. Tregear, 9th Bengal Infantry :

From MAJOR-GENERAL E. H. H. COLLEN, Secretary to the Government of India, Military Department, to the Adjutant-General in India,—(No. 166-L., dated Simla, the 1st July, 1889).

In acknowledging the receipt of your letter No. 2631-A, dated the 19th ultimo, with Colonel Tregear's report of the operations of the Lushai Expeditionary Force, I am to say that the Government of India concur in the opinion expressed by the Commander-in-Chief, that the objects of the expedition have been accomplished; and I am to request that, under His Excellency's orders, an expression of the acknowledgments of the Governor-General in Council may be conveyed to Colonel Tregear and the officers and men under his command, for the excellent manner in which the operations have been carried out.

2. Colonel Tregear's report will be published in an early Gazette.

From MAJOR-GENERAL W. K. ELLES, C.B., Adjutant-General in India, to the Secretary to the Government of India, Military Department,—(No. 2631-A., dated Simla, the 19th June, 1889).

In continuation of this office letter No. 1039-A, dated the 10th April, 1889, forwarding Colonel Tregear's report on the punitive expedition conducted by him to Howsata's village, I have the honor, by direction of the Commander-in-Chief, to submit, for the information of the Government of India, a further report from Colonel Tregear of the operations in detail of the Expeditionary Force under his command up to the date of its return to India.

2. The objects of the expedition were—

- (i) To construct a road from Demagiri in the direction of the Shendu country.
- (ii) To punish Howsata and Jahoota for the murder of the late Lieutenant Stewart.
- (iii) To establish an advanced post to be garrisoned during the rains.

3. From the present report, together with that submitted on the 10th April last, it will be seen that these objects have been fully effected.

Dense bamboo jungle, and the hilly nature of the country passed through, offered considerable difficulties; but nevertheless a road of easy gradient, practicable for laden elephants, has been constructed, and of a width and description which, it is hoped, will ensure its resisting, in a great measure, the action of the rains. Howsata's village has been destroyed, and Lieutenant Stewart's gun recovered from the Chief's grave.

Finally, an advanced post has been established at Lungleh, 41 miles from Demagiri, and garrisoned by the Frontier Police.

4. This season's operations, which commenced on the 11th January, were brought to a close on the 5th May, when the last of the troops sailed from Chittagong for Calcutta.

5. In the absence of opposition, the expedition must, in a great measure, be regarded more in the nature of a pioneering one, although the punitive measures undertaken were fully effected in the destruction of the villages of Howsata and Jahoota, and will, it is hoped, serve as a deterrent against the commission of further raids by the offending tribes in future.

6. Colonel Tregear is to be congratulated on the satisfactory manner in which he has carried out the work which devolved upon him as commander of the force; and the Commander-in-Chief would also bring to the notice of the Government of India the

conduct of officers, regimental, staff, and departmental, all of whom, without exception, appear to have done good work.

The behaviour of the troops was excellent, and the difficult and trying marches which fell to them were accomplished with commendable cheerfulness.

7. His Excellency would specially desire to acknowledge the work done by Mr. Lyall, Commissioner of Chittagong and Political Officer of the Force, whose services throughout the expedition, and particularly the co-operation he lent the Commissariat and Transport Departments, in expediting the transport of troops and provisions, and supply of road laborers, were of the greatest value.

From COLONEL V. W. TREGEAR, Commanding the Lushai Expeditionary Force, to the Adjutant-General in India,—(No. 491, dated Calcutta, the 13th May, 1889).

The work of the Lushai Expeditionary Force under my command having been completed as far as was practicable and the force broken up, I have the honor to make the following report for the information of His Excellency the Commander-in-Chief, and which, for the sake of easy reference, I will classify under different heads.

2. The following troops, in accordance with G. G. O. No. 1045, dated 28th December, 1888, formed the force :

Composition of Force.

- 2 guns, No. 2 Bombay Mountain Battery.
- 200 men, 4th Madras Infantry (Pioneers).
- 250 men, 2nd (The Queen's Own) Bengal Light Infantry.
- 250 men, 9th Bengal Infantry.
- 400 men, 2-2nd (Prince of Wales' Own) Gúrkha Regiment.

3. The above force, with the exception of the detachment of the 9th Bengal Infantry, which had been sent up early in November last to strengthen the Frontier Police, arrived at Demagiri, the

Concentration of Force.

base of operations, as follows :

- Detachment, 2nd Bengal Infantry, on 11th and 12th January, 1889.
- Two guns, Bombay Mountain Battery, on 22nd January, 1889.
- Detachment, 4th Madras Infantry (Pioneers), on 28th January, 1889.
- 2-2nd Gúrkha Regiment, on 4th and 15th February, 1889.

4. The three objects of the expedition defined in Government letter No. 65-L, dated Fort William, 6th February 1889, were as under :

Objects of expedition.

- (1) To construct a road in the direction of the Shendu country.
- (2) To punish Howsata and Jahoota for the murder of the late Lieutenant Stewart.
- (3) To establish an advanced post to be garrisoned during the summer.

The above orders were, however, altered by telegram No. 1146-A, dated Staff Office, Fort William, 27th February, 1889, received on the 3rd March, 1889, in which it was directed that the post was to be first established and provisioned for seven months, and no punitive expedition undertaken unless absolutely necessary. These orders were again modified by telegram on the 12th March, 1889, and a punitive expedition against Howsata sanctioned. I accordingly moved with a force of one gun and 300 rifles into the Shendu country on the 15th March, and returned on the 25th of that month, after having destroyed Howsata's village. The operations carried out during the above ten days have been fully reported in my letter No. 280, dated Fort Lungleh, 25th March, 1889.

5. Before the troops began to arrive, Mr. C. A. Mills, Executive Engineer, had been detailed by the Government of Bengal to commence the trace of the road, and entered immediately

Road construction.

on his duties. A sufficient length of trace had been done to enable the troops to start the construction of the road on their arrival, and to be kept well ahead as the work progressed. Besides the troops, upwards of 2,500 Chakma and Bengali coolies were also employed by the civil authorities, the former doing all the jungle cutting, and the latter the earthwork. The construction of the road was started on the 12th January, 1889, and 43 miles (that being the distance from Demagiri to Fort Lungleh) completed on the 11th March, 1889. The work in parts was very heavy, large cuttings having to be made on the hillside.

nullahs and streams for the use of foot passengers. The Chakma coolies, besides cutting the jungle, were employed in building temporary huts for the use of the troops at the different halting places; but this work the sepoys very soon learnt to do for themselves. The road is, as a rule, of easy gradient, four to six feet wide, solid under foot, and practicable for laden elephants, and I do not think the heavy rains during the next five months will cause much damage to it.

6. The season being far advanced, and the period for which the Chakma coolies had been engaged having expired, and it being difficult to feed the Bengali coolies (for whose provisions no transport was forthcoming) so far from the base of operations, it became very necessary for me to fix the position of the post. This I did on the 7th March, 1889. The spot selected is on the ridge which connects Lungleh with the site of Saipuya's old village, and at a point which commands both the road to the abovenamed chief's present village, and that leading over Moisum and Bolpui to the Shendu country; height 3,500 feet above sea level, and with a plentiful supply of good water close at hand. The stockade which has been erected is 167 yards in length, with an average width of 40 yards. It contains the following buildings:

- 1 barrack to accommodate four officers.
- 1 barrack for officers' servants.
- 1 hospital with hospital assistants' quarters at one end.
- 4 sepoys' barracks, 50 men each, and Native officers' quarters at each end.
- 2 godowns for rations.
- 1 magazine.
- 1 telegraph office.

All jungle has been cleared to a distance of a hundred yards from the stockade, the walls of which consist of rough timber 13 feet long, buried 4 feet in the ground with a ditch outside at the two ends of the stockade 8 feet deep. On the inner side a bank of earth has been thrown up against the walls to enable the defenders to fire over it. To protect the water-supply, a block-house has been erected, and is itself commanded by the stockade. The Frontier Police took over and occupied the post on the 15th April, 1889. A report from Major Leach, R.E., showing all details regarding the stockade, will be forwarded hereafter.

7. Eight months' provisions for a garrison of four European officers, 200 Frontier Police, and 20 followers was safely stored within the stockade by the Commissariat Department, and all work in connection therewith completed on the 15th April, 1889.

8. The first batch of transport coolies, who were sent up from Lucknow and Bareilly, were of poor physique, and I do not think very much care could have been taken in selecting them. Those sent afterwards from the Punjab and North-West Provinces were a superior body of men, and did good work. They had evidently been selected with care, and were, with a few exceptions, robust and quite equal to the duties they were called upon to perform, especially the Punjabi Mahomedans. I must, however, say that coolie labour for transport purposes *on a made road* is in my opinion quite thrown away, for the simple reason that a coolie carries so little and eats so much. Elephants and mules judiciously distributed along the line of road, according to the nature of the country and the water-supply, would be far preferable in this country. The elephants used during this expedition arrived in a very poor condition, but with regular work, which was purposely made easy at first with but five and six maund loads, and suitable fodder, which is very plentiful in these jungles, they soon picked up, and eventually got into good condition, and worked splendidly. Great care, however, is necessary in working these animals, for, if harassed, they seem to lose heart, and are very soon rendered unfit for work. If the work of this expedition is continued next winter, I would strongly recommend that elephants and mules be employed for pushing up stores and provisions from Damagiri to the advanced base at Fort Lungleh (or any other point on the road which may be hereafter decided upon), and coolies beyond that as the new road progressed. There is no doubt that with a little care transport coolies of a good stamp can be got in any numbers, and when carefully selected, prove most useful on a newly cut road, and when required to accompany troops along a narrow Kuki path through dense bamboo and tree jungle.

9. The arrangements of the Commissariat Department, which are at all times most difficult, were carried out in an admirable manner,

Commissariat.

and when it is remembered that no provisions of any kind whatever are to be bought in the country where the force was employed, and everything had to be procured from Calcutta, I think great credit is due to the Department. I would, however, bring one matter to notice, and that is that tinned meat should never be issued in larger quantities than a two-pound tin. The majority of the tinned beef and mutton supplied was in six-pound tins; and as officers were constantly detached singly, the result was that, as the weather became hot, a tin once opened could not after two days be touched, and the officer was thus left without meat for the remaining four days. Fresh meat was only issued at the close of the expedition, and the sheep arrived in very poor condition. This is a matter which should be arranged for early in the season, should another expedition be sent next winter.

10. A small amount of work has been done by the survey party which was sent to accompany the expedition. The late Lieutenant

Survey Department.

Pollen was unable to visit Vandula's village owing to sickness, but the native surveyor, Ikbāl-ud-din, succeeded in putting in a fair piece of hitherto unknown country in that direction. Mr. James, who took charge of the survey work on the late Lieutenant Pollen's departure on sick leave, was prevented by ill-health from joining the expedition to Howsata.

11. It is difficult at present to say how far our political relations with the surrounding tribes will be affected. There is no doubt the

Political.

Lushais will now understand that the British Government is determined to bring their country under subjection, and that raiding must cease henceforth. It is, however, satisfactory to know that the avowed friendship of the Southern Howlongs has been put to the test, and proved reliable, at least for the present. The punishment meted out to Howsata will have a good moral effect on the Shendus and all other tribes for some time to come, and prove to these savages how easy it is for the Government to punish them whenever they commit raids upon the peaceful inhabitants living under British rule. On the 3rd April, 1889, I, in company with Mr. Lyall, held a durbar at Fort Lungleh, when the following Southern Howlong chiefs attended, thereby acknowledging their submission to the British Government:

- | | |
|---|-------------|
| (1) Saipuya. | } Brothers. |
| (2) Lalthanbunga. | |
| (3) Lallunga. | |
| (4) Sangliena, son of Vandula, eldest brother of Saipuya. | |
| (5) Lal Ruma. | |

Mr. Lyall made an address to the Chiefs, which was translated to them by Mr. Murray, and evidently well understood by them. The Malam Pui chiefs had been expected, but they did not come in at the last moment, giving as their reason the unfriendly terms they were on with the Howlongs. They have promised to come in later on to see Mr. Murray, and their example will, I feel sure, be soon followed by some of the Shendu chiefs.

12. A permanent wire has been laid between Chittagong and Demagiri, with a station at Rangamati; and a light cable between Demagiri

Telegraph.

and the advanced post at Lungleh is now under construction, and will be completed very shortly. I consider this last portion will be most useful not only during this hot weather and rains, but hereafter should a second expedition be sent next cold weather.

13. All postal arrangements beyond the frontier, i.e., Demagiri, were carried out by the force itself. The letter bag was made up

Postal.

by a specially appointed officer at each end of the base, and forwarded daily by hand of sepoys who were engaged in patrolling the road along the line of communication, each party making over the bag to that of the next post when they met half way. This arrangement existed until the Officer Commanding the detachment of the Bombay Mountain Battery undertook to run the dak by mules; but on the advance taking place to Howsata, this could no longer be done, and the old and slower system had to be reverted to.

14. The weather having been very favorable during most of the time the expedition lasted, a very heavy amount of work was done by the signalling party and reflects the progress

Signalling.

credit on it. While the telegraph line was being laid between Rangamati and Demagiri, the signalling between those two places proved most invaluable. As the telegraph line advanced, the signalling party was pushed higher up into the hills, and communication was thus maintained with Demagiri to the close of the operations. During the punitive expedition to Howsata, signalling was carried on with Demagiri with the help of a party posted at the top of Moisum, and I was able to flash the news of that village being shelled and burnt from a point a short distance from the village itself. A report from Captain Browne, Superintendent of Signalling, is attached.*

15. The different sections of the field hospital, both for troops and followers, were moved up to the front, and certain portions established at the different encamping grounds selected for the purpose.

Field hospital.

The doolie-bearers appeared to me of a good stamp, and equal to the duties they were called upon to perform. The tents, supply of medicines, &c., were all that were necessary, but I would beg to point out that such articles as "condensed milk," "essence of beef and mutton," and "Liebeg's extract of meat" should invariably be sent for the use of British officers serving with Native troops. Until a supply was telegraphed for, all sick officers had to be supplied from private stores brought up by officers for their own use in case of sickness. Some of these stores were, as the force got further away from its base, very difficult to replace.

16. A report, with sketch, by Captain Shakespear, Intelligence Officer to the Force, setting forth the reconnaissances made during the expedition, is attached.*

Reconnaissances.

17. The orders for the force to return to Calcutta were received on the 3rd April, 1889; and as I had already marched the Bombay Mountain Battery and the 2nd Bengal Light Infantry to Demagiri, their services being no longer required at the front, they were the first to move. The guards along the line of communication had been taken by the 2nd Bengal Light Infantry up to the date of their departure, when they were relieved by the 2-2nd Gúrkha Regiment. This regiment was the last to leave Fort Lungleh, and as it moved down picked up its men at the different posts, thus arriving at Demagiri intact and ready to proceed down the river.

Breaking up of the force.

All troops and heavy stores were sent down by boat from Demagiri to Rangamati, from whence they were conveyed by steamer and flats to Chittagong. From Chittagong the passenger service of the British India Company was availed of for the voyage by sea to Calcutta. The troops returned to Calcutta in the following order, and were despatched from thence to their respective stations under the orders of the Brigadier-General Commanding the Presidency District:

2nd Bengal Light Infantry	. . . . .	Sailed 14th April, 1889.
No. 2 Bombay Mountain Battery	. . . . .	Sailed 16th April, 1889.
4th Madras Infantry (Pioneers)	. . . . .	Sailed 21st April, 1889.
2-2nd Gúrkha Regiment	. . . . .	Sailed 5th May, 1889.

The transport coolies were marched down from Demagiri to Rangamati in corps as far as was practicable, and from thence sent down to Chittagong by steamer and flats. On arrival at Chittagong, they were settled up with by the Commissariat Department, provided with railway warrants to their respective homes, and shipped off as opportunity offered. The last batch reached Calcutta on the 8th May, 1889.

Orders having been received from Army Head-Quarters for the detachment of the 9th Bengal Infantry to be stationed at Rangamati, it was on relief by the Frontier Police moved down to that station by boats.

18. The health of the force during the four months the expedition lasted was, I consider, marvellously good. There is no doubt, however, that the climate was beginning to tell on both officers and men towards the close of the operations, and that the health of the transport coolies, who were very hard worked, being incessantly employed in bringing up provisions, was seriously deteriorating, and that a very large number of them

Health of the troops and followers.

were what might be termed "played out." The following table will help to shew pretty accurately the amount of sickness in the force for the four months the operations lasted :

Detail.	Number serving with the Force.	Daily Average Number of Sick.	Number sent on Sick Leave or Invalided.	Number of Deaths.
British officers	45	16	1	2
British warrant and non-commissioned officers.	12	...	...	1*
Native troops	1,225	35.26	6	4
Transport coolies	2,300	76.22	167	21
Public followers	386	3.00	1	1

The force was, I deeply regret to say, unfortunate enough to lose the two under-mentioned officers, both of whom died of remittent (or malarial) fever :

Lieutenant W. H. Pollen, R.E., belonging to the Government Survey of India, died at Chittagong on the 26th March, while proceeding to Darjeeling on sick leave.

Lieutenant A. T. Ward, Royal Irish Regiment, doing duty with the Transport Coolie Corps, died at Demagiri on the 2nd April, after only ten days' illness.

In the death of these very promising young officers the service has lost two hard working, energetic, and zealous soldiers, both of whom had made themselves great favourites with the force.

19. In conclusion, I beg to bring the names of the following officers, civil and military, to the notice of His Excellency the Commander-in-Chief, and to acknowledge most gratefully the cordial assistance I have at all times received from all ranks, British and Native, and to bear testimony to the hard work gone through by all, and to the cheerful and willing spirit which has pervaded the whole force. The discipline of the troops has been excellent throughout, not a single case of misconduct having been brought to my notice :

- I.—Mr. D. R. Lyall, Commissioner of Chittagong and Civil Political Officer with the Force, was of the greatest assistance to me. His local knowledge was of the utmost value, and his arrangements to help the Commissariat and Transport Departments in pushing up the troops and provisions from Chittagong when the expedition first started, and for the supply of road coolies, were excellent.
- II.—The services of Mr. C. S. Murray, Superintendent, Frontier Police, I have already acknowledged and brought to His Excellency's notice in my letter No. 280, dated Lungleh, 25th March, 1889.
- III.—Mr. C. A. Mills, Executive Engineer, Public Works Department, upon whom devolved the duty of laying out the route to be followed from Demagiri to Lungleh, and considering the very difficult nature of the country through which the trace had to be cut, deserves great credit for the excellent manner in which he performed the work.
- IV.—Mr. E. Good, Port Officer, performed the duties of Transport Officer to Chittagong in a very creditable manner, and is, I consider, a very energetic and hard working officer, and highly deserving of some remuneration for all the extra work he has performed in connection with this expedition.
- V.—Captain F. S. Gwatkin, 13th Bengal Lancers, my Staff Officer, has proved himself a most reliable, energetic, and hard working officer, and was of the greatest assistance to me. He possesses a thorough knowledge of his duties, and showed great tact in carrying out his work.

Sergeant Roche died at Chittagong, and was attended by the Civil Surgeon. He did not come under field hospital arrangements.

- VI.—Captain J. Shakespear, Leinster Regiment, Intelligence Officer, has performed his duties, with zeal, and has worked hard to obtain all necessary information connected with his department. I consider him a very energetic and useful officer.
- VII.—On Major H. P. Leach, R.E., Field Engineer to the Force, devolved the duty of, in the first place, constructing the road from Demagiri to Lungleh, and, in the second place, of planning and building the stockade and the quarters within it. Consequently a very heavy share of the work connected with this expedition has fallen upon him, and he has carried out his duties in an intelligent and careful manner. I look upon him as a very excellent officer. In his duties he has been ably assisted by the officers under him, and of these I would specially mention Lieutenant R. A. F. Kingscote, R.E. This very promising young officer has done an immense amount of hard work, and has shown great tact in dealing with Chakma and Bengali road coolies, while employed with the leading gang of these men in constructing the road.
- VIII.—Captain A. G. F. Browne, 3rd Gúrkha Regiment, Superintendent of Signalling, deserves the greatest credit for the energetic and successful manner in which he has arranged for the signalling during the expedition, and I have no hesitation in saying that without the valuable assistance of the heliograph, the work connected with the expedition would have at times been very materially interfered with.
- IX.—Captain W. J. H. Bond, Chief Commissariat Officer, has carried out his arduous duties in a very excellent manner, and has proved himself a most energetic, hard working, and reliable officer. His arrangements, both in the matter of rations and transport, have been most successfully carried out. In the Transport Branch he has been ably assisted by Lieutenant W. H. Allen and the other officers attached to the Transport Coolie Corps.
- X.—Lieutenant-Colonel F. W. Nicolay, commanding the 2-2nd Gúrkha Regiment, Major B. Channer, D.S.O., commanding the detachment of the 2nd Bengal Infantry, Captain A. T. Weller, commanding the detachment of the 9th Bengal Infantry, Captain G. B. Stevens, commanding the detachment of the 4th Madras Infantry (Pioneers), Lieutenant C. deC. Hamilton, commanding the detachment of No. 2 Bombay Mountain Battery, and Mr. S. Walker, commanding the detachment of Frontier Police, all carried out their duties in an excellent spirit, and were ever ready to further the objects of the expedition.
- XI.—Surgeon-Major A. B. Seaman, the Principal Medical Officer of the Force, carried out his duties in a satisfactory manner. His arrangements in the distribution of the field hospital along the line of communication worked well, and considering that a very large number of road coolies, for whom no medical arrangements had been made by the civil authorities, were treated and looked after, great credit is due to the medical officers under him for the good work done.
- XII.—I would also bring the names of the following warrant and non-commissioned officers to His Excellency's notice as having performed good work with the expedition, and been of the greatest assistance to their respective commanding officers :
- Conductor P. McBrien, Commissariat Department.
 - Sergeant H. Fergusson, Commissariat Department.
 - Sergeant E. MacDonald, Transport Department.
 - Company Sergeant-Major Crofton, Bengal Sappers and Miners.
- XIII.—Mr. J. R. Davies, Sub-Assistant Superintendent of Telegraphs, who laid the telegraph wire to Demagiri and established communication with Rangamati and Chittagong, underwent some very hard work, and deserves great credit for the work he performed.

APPOINTMENTS.

COMMISSARIAT DEPARTMENT.

No. 593.—Major A. T. S. A. Rind, C.M.G., Bengal S. C., officiating Commissary-General for Transport, is confirmed in that appointment, with effect from the 29th May, 1889, *vice* Colonel A. F. Laughton, C.B., Madras S. C., who has retired from the service.

HYDERABAD CONTINGENT.

No. 594.—3rd Cavalry—

Surgeon R. James, Medical Officer, 5th Infantry, to be Medical Officer, *vice* Brigade-Surgeon C. E. McVittie, retransferred to the Madras Presidency. Dated 26th April, 1889.

No. 595.—5th Infantry—

Surgeon F. H. Brown, officiating in medical charge, 2nd Infantry, to be Medical Officer, *vice* Surgeon James, transferred to the 3rd Cavalry. Dated 26th April, 1889.

PERSONAL STAFF.

No. 596.—The following appointment has been made on the personal staff of Major-General Sir G. S. White, K.C.B., V.C., Commanding the Quetta District :

Lieutenant S. C. F. Jackson, Hampshire Regiment, to be Aide-de-Camp. Dated 1st April, 1889.

FURLOUGH AND LEAVE.

No. 597.—The undermentioned officers are granted furlough out of India :

Major and Brevet Colonel G. T. Pretymann, R.A., Assistant Adjutant-General for Royal Artillery, (p. a.) for four months, under Article 689, Army Regulations, India, Vol. I., Part I.

Lieutenant-Colonel C. G. Cautley, General List, Cavalry, Military Accountant, 1st class, 1st grade, and officiating Controller of Military Accounts, Eastern Circle, Bengal, (p. a.) for one year and 121 days, under rules IX. and XV. of the Regulations of 1868.

Major E. Wighton, Royal Artillery, Ordnance Officer, 2nd class, officiating 1st class, Bombay, (p. a.) for four months, under Article 689, Army Regulations, India, Vol. I., Part I.

Major G. M. Bellasis, Bengal S. C., Executive Engineer, 2nd grade, Public Works Department, North-Western Provinces and Oudh, (p. a.) for two years, under rule IX. of the Regulations of 1868.

Captain E. T. Gastrell, Bengal S. C., Commandant, Mandalay Police Battalion, Burma, (p. a.) for one year, under rule I. of the Regulations of 1875.

Captain G. Silver, East Surrey Regiment, Adjutant, Bengal-Nagpur Volunteer Rifle Corps, (p. a.) for four months, under Article 689, Army Regulations, India, Vol. I., Part I.

No. 598.—The undermentioned officer is granted leave to proceed out of India on private

affairs under the leave rules for the Staff Corps; the specified period to count from the date of being struck off duty :

Lieutenant A. W. Warden, Bengal S. C., 3rd Cavalry, Hyderabad Contingent, for 182 days. Pension service—6th year commenced 6th February, 1889.

No. 599.—Colonel F. T. Bainbridge, Bengal S. C., has been permitted to reside out of India under Article 738 (a), Army Regulations, India, Vol. I., Part I.

No. 600.—Lieutenant H. T. Duhan, Bengal S. C., is granted leave in India (m. c.) for ninety days, under Article 709, Army Regulations, India, Vol. I., Part I., with effect from the 1st May, 1889.

No. 601.—Lieutenant S. H. B. Hobbs, Bengal S. C., 14th Bengal Lancers, is granted leave (p. a.) from the 26th to the 28th March, 1889, in extension of that allowed in G. G. O. No. 98 of 1888.

No. 602.—Second grade Assistant Apothecary A. J. D'Ravara is granted furlough in India (m. c.) for one year, under rule I. of the Regulations of 1875, with effect from the 1st November, 1888.

No. 603.—The undermentioned officers have been granted extensions of furlough by the Secretary of State for India :

Surgeon-Major T. Robinson, M.B., (p. a.) for twenty-nine days.

Surgeon-Major E. A. Birch (m. c.) for six months.

PENSIONS.

No. 604.—Conductor W. P. Pickering, of the Ordnance Department, Bengal, is transferred to the pension establishment.

PROMOTIONS.

No. 605.—The following promotion is made, subject to Her Majesty's approval :

BENGAL STAFF CORPS.

To be Lieutenant-Colonel.

Major and Colonel (local Major-General) Edwin Henry Hayter Collen, C.I.E.,—1st July, 1889.

NATIVE ARMY.

No. 606.—36th Bengal Infantry—

Havildar Sant Singh to be Jemadar, *vice* Jaimal Singh, invalided, with effect from the 2nd May, 1889.

No. 607.—43rd Bengal Infantry—

Havildar Sete Lama to be Jemadar, *vice* Chimaru Khattri, invalided, with effect from the 10th May, 1889.

PUNJAB FRONTIER FORCE.

No. 608.—*2nd Punjab Cavalry*—

Jemadar Umdah Sing to be Ressaidar, and Dafadar Gaj Singh to be Jemadar, *vice* Bhagwán Saháe, invalided, with effect from the 16th June, 1889.

No. 609.—*6th Punjab Infantry*—

Jemadar Mowaz Khan to be Subadar, and Havildar Báz Khan to be Jemadar, *vice* Ghulámi, invalided, with effect from the 1st May, 1889.

RETIREMENTS.

No. 610.—Colonel Francis William Grant, Bengal S. C., is permitted to retire from the service, with effect from the 6th July, 1889, subject to Her Majesty's approval.

REWARDS.

GOOD SERVICE PENSIONS.

No. 611.—On the recommendation of the Government of India, Her Majesty's Government have been pleased to confer a good service pension on Surgeon-General George Bidie, M.B., C.I.E., Surgeon-General with the Government of Madras, with effect from the 10th February, 1889, *vice* Colonel (Brigadier-General) G. C. Hodding, C.B., succeeded to the Colonel's allowance.

Dates of Commission.

Assistant Surgeon	20th February, 1856.
Surgeon	20th February, 1862.
Surgeon-Major (ranking with Major)	20th February, 1863.
Surgeon-Major (ranking with Lieutenant-Colonel)	20th February, 1876.
Brigade-Surgeon	28th February, 1883.
Deputy Surgeon-General . . .	11th September, 1884.
Surgeon-General	9th October, 1886.

Appointments.

Regimental duty, Madras Artillery, 12th Royal Lancers, and 1st Infantry, Hyderabad Contingent,—from October 1856 to April 1859.

District Surgeon, Guntoor, from April 1859 to February 1861.

Medical Officer, Mysore Farm, from February 1861 to October 1865.

Regimental duty, 16th Madras Infantry, from October 1865 to January 1866.

Professor, Medical College, from January 1866 to March 1870.

Secretary to Surgeon-General, Indian Medical Department, from March 1870 to March 1880.

Secretary to Surgeon-General, Her Majesty's Forces, from March 1880 to April 1883.

Officiating Sanitary Commissioner, from April 1883 to July 1883.

Secretary to Surgeon-General, Her Majesty's Forces, from July 1883 to December 1884.

Deputy Surgeon-General, British Burma Division, from December 1884 to October 1886.

Surgeon-General, Indian Medical Department, from October 1886 to date.

War Services.

Indian Mutiny, 1858-59 (*Medal*).

VOLUNTEER CORPS.

APPOINTMENTS.

No. 612.—*3rd Administrative Battalion, North-Western Provinces Volunteers, and Allahabad Volunteer Rifle Corps*—

Lieutenant-Colonel the Hon'ble Sir John Edge, *Kt.*, Commandant of the Allahabad Volunteer Reserve Corps, to be Commandant, *vice* Lieutenant-Colonel A. J. Lawrence, C.I.E., transferred to the Meerut Division.

No. 613.—*Allahabad Volunteer Rifle Corps*—

Captain T. J. Ryves to be Major, *vice* Porter, transferred to the Allahabad Volunteer Reserve Corps.

No. 614.—*Bengal-Nagpur Railway Volunteer Rifle Corps*—

Mr. Henry Guy Supple to be Second-Lieutenant, *vice* Munro, transferred to the supernumerary list.

Mr. Henry Carpenter to be Second-Lieutenant, to complete the establishment.

RESIGNATIONS.

No. 615.—*2nd Punjab (Simla) Volunteer Rifle Corps*—

Lieutenant R. A. English resigns his commission, with effect from the 7th June, 1889.

No. 616.—*Mussoorie Volunteer Rifle Corps*—

Lieutenants W. G. T. Mulligan and W. G. A. Hanrahan resign their commissions.

MARINE DEPARTMENT.

PROMOTIONS.

No. 36.—The following promotions are made in Her Majesty's Indian Marine:

Commander E. R. Shopland to be Commander, second grade;

First grade officer T. H. Butterworth to be Commander, third grade;

Second grade officer W. G. Beauchamp to be first grade officer;

Third grade officer C. R. Rowsell to be second grade officer; and

Assistant Engineer B. C. Bunyer to be Engineer,—

with effect from the 1st July, 1889.

E. H. H. COLLEN,

Secretary to the Government of India.

MILITARY DEPARTMENT.

NOTIFICATION.

*Simla, the 5th July, 1889.**Statement of Deposits on account of Estates between the 29th June and the 5th July, 1889.*

On whose account,	Rank.	Corps.	Date of decease.	Testate or Intestate.	Total unclaimed amount deposited.	Amount paid in India.	Date to which claims will be received.
					<i>Rs. a. p.</i>		
Arthur Nevill Hayne. (a)	Major	1st Battalion, Connaught Rangers.	22nd December 1888.	Will left.	194 14 0	...	4th September 1889.
John Corse-Scott (b)	Major	2nd Battalion, 1st Gurkha Light Infantry.	27th August 1888.	No will left.	71 11 6	...	4th September 1889.

(a)—*Wife of his*—Widow—Mrs L. S. M. G. Hayne. Children—Three, names unknown. Address—Care of W. Markheim, Esq., Gordon Villa Strood, near Rochester, England.

(b)—*Wife of his*—Widow—Mrs E. M. C. Corse-Scott. Children—Edward, Una Catherine, and Erule James. Brother—Major E. H. Corse-Scott, 2nd Battalion, Warwickshire Regiment.

E. H. H. COLLEN,

Secretary to the Government of India.

PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

Simla, the 1st July, 1889.

No. 202.—The services of Mr P. P. Dease, Executive Engineer, 2nd Grade, State Railways, are transferred from the Establishment under the Government of Bengal to that under the Director-General of Railways.

No. 203.—Mr. W. Michell, Executive Engineer, 4th Grade, State Railways, is on return from furlough posted to Madras for employment on Railways in that Presidency.

The 2nd July, 1889.

No. 204.—Lieutenant-Colonel E. Harvey, R.E., Executive Engineer, 1st Grade, Punjab, on special duty with the Accounts Committee, is promoted to Superintending Engineer, 3rd Class, *special*, with effect from the 20th May, 1889.

Mr. E. E. Oliver, Executive Engineer, 1st Grade, Punjab, is appointed to officiate as a Superintending Engineer, during the absence of Lieutenant-Colonel Harvey, on special duty.

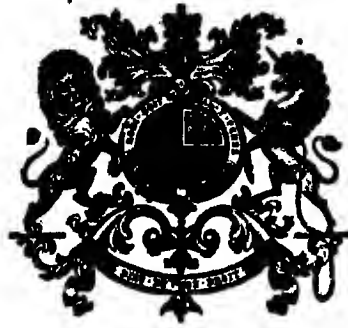
The 5th July, 1889.

No. 205.—Lieutenant-Colonel C. Cunningham, R.E., Examiner of Public Works Accounts, on probation, is transferred from the Superior Accounts Establishment to the Engineering Establishment, and attached temporarily to the Railway Branch, with effect from the 15th June, 1889.

No. 206.—Mr. R. G. Macdonald, Deputy Accountant-General, Public Works Department, is promoted from Examiner, 2nd Class, to Examiner, 1st Class, *temporary rank*, with effect from 5th June, 1889.

R. C. B. PEMBERTON, Colonel, R.E.,

Secretary to the Government of India.



The Gazette of India.

PUBLISHED BY AUTHORITY.

SIMLA, SATURDAY, JULY 6, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART V.

Bills introduced into the Council of the Governor General for making Laws and Regulations, or published under Rule 22.

GOVERNMENT OF INDIA.

LEGISLATIVE DEPARTMENT.

The following Bill was introduced into the Council of the Governor-General of India for the purpose of making Laws and Regulations on the 3rd July, 1889:

No. 6 OF 1889.

A Bill to amend Acts VI and VII of 1884.

WHEREAS it is expedient to amend the Inland Steam-vessels Act, 1884, and the Indian Steamships Act, 1884; It is hereby enacted as follows:—

Inland Steam vessels Act, 1884.

1. To section 11 of the Inland Steam-vessels Act, 1884, the following sub-section shall be added, namely:—

- “(1) The Local Government may delegate,—
- (a) with the previous sanction of the Governor General in Council, to any person the function, assigned to it by sub-section (1), of granting a certificate of survey under that sub-section;
- (b) of its own authority, to any person the function, assigned to it by sub-section (3), of causing notice to be given of a certificate of survey being ready for delivery:

Provided, with respect to clause (a) of this sub-section, that no delegation of the function mentioned in that clause shall be construed to authorise the grant of a certificate of survey by the surveyor who gave the declaration of survey under section 9.”

2. In section 12 of the said Act the words “by the Local Government” are hereby repealed.

3. In section 17 of the said Act, between the word “which” and the word “granted”, in both places where the expression “which granted” occurs, the words “or whose delegate” shall be inserted.

4. After section 54 of the said Act the following section shall be inserted, namely:—

“54A. If an inland steam-vessel has on board thereof or on or in excessive number of any part thereof a number of passengers which is greater than the number of passengers set forth in the certificate of survey as the number which the vessel or the part thereof is, in the judgment of the surveyor, fit to carry, the owner and master shall, for every passenger over and above that number, be each liable to a fine which may extend to ten rupees.”

Indian Steamships Act, 1884.

5. To section 13 of the Indian Steamships Act, 1884, the following sub-section shall be added, namely:—

- “(1) The Local Government may delegate,—
- (a) with the previous sanction of the Governor General in Council, to any person the function, assigned to it by sub-section (1), of granting a certificate of survey under that sub-section;
- (b) of its own authority, to any person the function, assigned to it by sub-section (3), of causing notice to be given of a

certificate of survey being ready for delivery :

Provided, with respect to clause (a) of this sub-section, that no delegation of the function mentioned in that clause shall be construed to authorise the grant of a certificate of survey by the surveyor who gave the declaration of survey under section 11."

6. In section 14 of the said Act, the words "by the Local Government" are hereby repealed.

Amendment of section 14, Act VII, 1884.

7. In section 19 of the said Act, between the word "which" and the word "granted" in both the places where the expression "which granted" occurs, the words "or whose delegate" shall be inserted.

Amendment of section 19, Act VII, 1884.

STATEMENT OF OBJECTS AND REASONS.

SECTION 11 of the Inland Steam-vessels Act, VI of 1884, and section 13 of the Indian Steamships Act, VII of 1884, provide that, if, on receipt of the declaration of a surveyor, the Local Government is satisfied that the law has been complied with, it shall cause a certificate of survey to be furnished to the owner or master. The performance by the Local Government of the duty of considering the declaration and granting the certificate, has been found in some Provinces to be attended with delay and inconvenience, and one of the objects of this Bill is to authorise the Local Government to delegate the duty.

The other object of the Bill is to prevent the overcrowding of an inland steam-vessel by limiting the number of passengers to be carried by her to the number which the surveyor has in his declaration adjudged her to be fit to carry.

The approval of the Board of Trade has been obtained to the proposed amendment of the Indian Steamships Act.

The 4th July, 1889.

D. BARBOUR.

S. HARVEY JAMES,

Secretary to the Government of India.

GOVERNMENT OF INDIA.
LEGISLATIVE DEPARTMENT.

The following Bill was introduced into the Council of the Governor-General of India for the purpose of making Laws and Regulations on the 3rd July, 1889:

No. 7 OF 1889.

A Bill to amend the Central Provinces Tenancy Act, 1883, and the Central Provinces Local Self-government Act, 1883.

33. WHEREAS it is expedient to amend the Central Provinces Tenancy Act, 1883; It is hereby enacted as follows:—

1. (1) This Act may be called the Central Provinces Tenancy Act, 1889; and

(2) It shall come into force at once.

33. 2. In this Act, unless there is something repugnant in the subject or context, the word "section" means a section of the Central Provinces Tenancy Act, 1883.

374. 3. In section 1, sub-section (2), the words and figures "except those specified in the Scheduled Districts Act, 1874, Schedule I, Part VI," are hereby repealed.

4. For the *Explanation* to section 3, clause (2), the following shall be substituted, namely:—

"*Explanation I.*—An inferior proprietor is not, as such, a tenant.

"*Explanation II.*—The holder of a survey-number in a village let in farm by the Government, or held by a gaontia in the Sambalpur district, is a tenant of the farmer or gaontia for the time being."

Amendment of section 3, clause (11). 5. For section 3, clause (11), the following shall be substituted, namely:—

"(11) "sfr-land" means—

(a) land which was recorded as 'sfr' in the papers of the last preceding settlement of the local area in which the land is situate;

(b) land which was not so recorded, but which at the commencement of the Central Provinces Land-revenue Act, 1889, was occupied by, and had been cultivated by, the proprietor or one of the proprietors thereof for a period of not less than twelve consecutive years;

(c) waste-land which has been broken up by the proprietor or one of the proprietors thereof, and cultivated by him for a period of not less than six consecutive years;

and includes also in the Sambalpur district 'bhogra' land;

"*Explanation I.*—Land (other than bhogra) which at the commencement of the Central Provinces Land-revenue Act, 1889, was unoccupied by such proprietor and had been so unoccupied for a period of six consecutive years is not sfr-land. Land is not unoccupied by the proprietor when it is leased out by him with an express reservation of his sfr-rights.

"*Explanation II.*—When by any local custom land is liable to exchange or re-distribution among the cultivators thereof, land taken in exchange for sfr-land becomes sfr-land, and the sfr-land given in exchange ceases to be sfr-land."

6. For section 4 the following shall be substituted, namely:—

Classes of tenants. "4. There shall be five classes of tenants, namely:—

- (1) Absolute occupancy-tenants;
- (2) Occupancy-tenants;
- (3) Village-service tenants;
- (4) Sub-tenants;
- (5) Ordinary tenants."

Addition to section 33. 7. To section 33 the following sub-section shall be added, namely:—

"(4) A tenant of a survey-number in a village let in farm by the Government, or held by a gaontia in the Sambalpur district, shall be deemed to have surrendered his holding if he refuses to agree to the rent fixed under this Act for the holding, but shall not continue liable under sub-section (2) for the rent of his holding."

New section inserted after section 35.

"35A. Nothing in this Act regarding the rights of an absolute occupancy, an occupancy or ordinary tenant shall be deemed to apply to the tenant of any land situate within the limits of any forest-land or waste-land which has been declared to be a reserved forest under the Indian Forest Act, 1878.

9. In section 38, sub-section (7), for the words "shall be void" the words "shall be voidable at the option of the landlord" shall be substituted.

New section inserted after section 42.

"42A. A thekadár, gaontia or farmer who is ejected by the proprietor under whom he holds shall become the occupancy-tenant of all land which was waste-land comprised in the area held by him and which he has himself or by hired labour broken up and cultivated for a period of twelve years, and the rent payable by him for the land as occupancy-tenant shall be fixed by a Revenue-officer on application made by him or his landlord."

11. For the portion of section 43, sub-section (2), beginning with the words "shall be void" and ending with the words "with his landlord's consent" the following shall be substituted, namely:—

"shall be voidable at the option of his landlord, unless—

(a) it is entered into with the landlord's consent,"

New sections inserted after section 50.

12. After section 50 the following shall be inserted, namely:—

"CHAPTER IVA.

"OF VILLAGE-SERVICE TENANTS.

"50A. A tenant of a holding who has been recorded at the last preceding settlement of the area in which the holding is comprised as holding his land rent-free on condition of rendering village-service is a village-service tenant.

"50B. (1) When a village-service tenant dies, his right in his village-service holding shall pass to his successor in office.

"(2) A transaction by which a village-service tenant attempts to effect a transfer of property in respect of his village-service holding by sale, gift, mortgage, sub-lease or otherwise shall be void, and the village-service tenant shall be liable to be ejected for such attempt.

"(3) The right of a village-service tenant shall not be sold in execution of a decree.

"50C. If a village-service tenant is unable to render the service which he is bound to render, he shall provide a person to render it for him.

"50D. A village-service tenant shall not be ejected from his holding except in execution of an order for ejectment passed by a Revenue-officer on one of the following grounds, namely:—

- that the tenant has attempted to effect a transfer of his holding in contravention of section fifty B, sub-section (2);
- that the tenant has ceased to render the service which he is bound to render, or has failed to render it properly, or, being unable to render it himself, has failed to provide a person to render it as required by section fifty C;
- that the tenant has diverted his land to non-agricultural purposes or is chargeable with some other act or omission which by local custom or the provisions of the village wajib-ul-arz renders him liable to be dismissed from office."

New section substituted for section 51.

13. For section 51 the following shall be substituted, namely:—

"51. (1) A tenant who holds land from another tenant or from a málik-makbúza or from the holder of a survey-number is a sub-tenant.

(2) In sub-section (1) the expressions 'málik-makbúza' and 'survey-number' have the meanings respectively assigned to them in section 4, clauses (6a) and (10), of the Central Provinces Land-revenue Act, 1881, as amended by the Central Provinces Land-revenue Act, 1889."

XV
188

New section substituted for section 53.

14. For section 53 the following shall be substituted, namely:—

"53. (1) Every tenant who is not an absolute occupancy-tenant, or an occupancy-tenant, or a village-service tenant, or a sub-tenant, is an ordinary tenant.

"(2) Where a person cultivates land under an agreement made with the proprietor of the land and purporting to be an agreement for the cultivation of the land by such person and such proprietor in partnership, such person is an ordinary tenant of the land so cultivated by him, and, notwithstanding any contract to the contrary, the rent payable by him for the land shall be fixed by a Revenue-officer on application made by him or his landlord."

Amendment of section 54.

15. In section 54, after the word "sections" the word "thirteen" shall be inserted.

New section inserted after section 54.

16. After section 54 the following shall be inserted, namely:—

"54A. (1) A Settlement-officer may for the purposes of the land-revenue assessment determine the rents payable by the ordinary tenants of a mahál,

Landlord's right to recover rents determined at settlement as payable by ordinary tenants.

and, when he has based the assessment on those rents, the landlord shall be entitled to recover the same on and from the date on which the assessment takes effect.

"(2) The rents determined under sub-section (1) shall be recorded in the proceedings of the Settlement-officer, and a copy of the record shall be granted free of expense to the landlord."

17. In section 61, sub-section (2), for the words "shall be void, unless it is entered into with his landlord's consent" the words "shall be voidable at the option of his landlord, unless it is entered into with the landlord's consent" shall be substituted.

Amendment of section 61.

New clause inserted after section 63, clause (f). 18. After section 63, clause (f), the following shall be inserted, namely:—

"(ff) applications for an order to eject a village-service tenant (section fifty D)".

And whereas it is also expedient to amend the Central Provinces Local Self-government Act, 1883; It is hereby further enacted as follows:—

19. In section 41, sub-section (1), of the said Act, for the words "has been made in any settlement-record previous to the passing of this Act" the words "is made in any settlement-record" shall be substituted.

STATEMENT OF OBJECTS AND REASONS.

THE changes which it is proposed to make in the Central Provinces Land-revenue Act, 1881, render it necessary to amend the Central Provinces Tenancy Act, 1883, so as to make the definitions of "sir-land" and "tenant" the same in both Acts. At the same time the opportunity is taken to add to the Tenancy Act a few provisions which experience has shown to be required.

2. Section 3 of the Bill amends section 1, sub-section (2), of the Act, and extends the Act to the scheduled districts. At present the Rent Act, X of 1859, is in force in the scheduled districts. The Central Provinces Tenancy Act, 1883, is better adapted to the requirements of those districts, and there is no reason why they should have a rent-law differing from that in force in other districts which are not scheduled.

3. By section 7 of the Bill it is provided that a tenant of a survey-number holding under a thekadár or gaontia shall be deemed to have surrendered his holding if he refuses to pay the rent assessed on the holding by the Settlement-officer. The Settlement-officer fixes the rents of the tenant, and on those rents determines the amount which the thekadár or gaontia has to pay to the Government. It is necessary therefore that a tenant should relinquish his holding if he refuses to pay the rent fixed by the Settlement-officer.

4. By section 8 of the Bill a section is inserted providing that tenants of land in reserved forests shall not acquire any occupancy, or ordinary, tenant-rights under the Tenancy Act. It is doubtful whether the Indian Forest Act, VII of 1878, is sufficient to prevent the acquisition of such rights, and it is expedient that they should not be acquired.

5. Section 10 of the Bill inserts in the Act a provision that thekadárs, gaontias or farmers shall have when ejected an occupancy-right in waste-land which they have broken up and cultivated for twelve years. It is considered that such a provision is in accordance with the feeling of the people, and is equitable in the case of a person who has improved the estate leased to him by breaking up and cultivating waste-land at his own cost.

6. Section 12 of the Bill inserts a Chapter to provide for village-service tenants, or tenants who are recorded in the settlement-records as holding land rent-free in consideration of their discharging some public duty in a village. The Chapter contains a few simple provisions declaring the nature of their rights in their holdings, and the circumstances under which they can be ejected.

7. Section 14 of the Bill amends the definition of ordinary tenant contained in section 53 of the Act so as to provide for what are generally known as "batai" holdings, that is, where the landlord and the raiyat nominally cultivate in partnership, the landlord supplying the land or advancing money for seed and labour, and the raiyat actually cultivating the land. It is considered that a raiyat who cultivates under an agreement of this description should have a tenant-right.

8. By section 16 of the Bill a section is inserted to make it clear that, when a Settlement-officer for the purposes of his assessment determines the rents of ordinary tenants and bases his assessment on the rents so determined, the landlord is entitled to recover those rents from the tenant. The Tenancy Act provides that the rents of absolute occupancy and occupancy tenants shall be fixed at the settlement; but there is no corresponding provision regarding ordinary tenants. It is doubtful whether section 15 of the Act will in all cases enable the landlord to enhance the rent of an ordinary tenant when the revenue payable by the landlord on account of the tenant's holding is increased. When the revenue is enhanced on the ground that the rents paid by ordinary tenants are below the rents which a Settlement-officer considers to be fair and reasonable for the purposes of assessment, the landlord should be able to realize enhanced rents from his ordinary tenants without having to go through the process of enhancement provided by the Act.

9. The amendment made by sections 9, 11 and 17 of the Bill in sections 38, 43 and 61 of the Act are intended to remove doubts as to the meaning of the words "shall be void". The object of making the transfer of a tenant-right void was primarily to protect the landlord. It is thought, therefore, that such transfers should not be absolutely void but voidable at the option of the landlord.

10. By section 19 of the Bill section 41 of the Central Provinces Local Self-government Act is amended so as to confirm and authorize the recovery of cesses which are being provided for in the settlement now in progress.

11. The other amendments do not call for remark.

The 1st July, 1889.

R. J. CROSTHWAITE.

S. HARVEY JAMES,
Secretary to the Government of India.



The Gazette of India.

PUBLISHED BY AUTHORITY.

SIMLA, SATURDAY, JULY 6, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART VI.

Debates of the Legislative Council of His Excellency the Governor General.

GOVERNMENT OF INDIA.

LEGISLATIVE DEPARTMENT.

ABSTRACT OF THE PROCEEDINGS OF THE COUNCIL OF THE GOVERNOR
GENERAL OF INDIA, ASSEMBLED FOR THE PURPOSE OF MAKING
LAWS AND REGULATIONS UNDER THE PROVISIONS OF
THE ACT OF PARLIAMENT 24 & 25 VICT., CAP. 67.

The Council met at Viceregal Lodge, Simla, on Wednesday, the 3rd July, 1889.

PRESENT:

His Excellency the Viceroy and Governor General of India, G.C.M.G., G.M.S.I.,
G.M.I.E., *presiding*.

His Honour the Lieutenant-Governor of the Punjab, K.C.S.I.

His Excellency the Commander-in-Chief, Bart., V.C., G.C.B., G.C.I.E., R.A.

The Hon'ble Lieutenant-General G. T. Chesney, C.B., C.S.I., C.I.E., R.E.

The Hon'ble A. R. Scoble, Q.C., C.S.I.

The Hon'ble Sir C. A. Elliott, K.C.S.I.

The Hon'ble P. P. Hutchins, C.S.I.

The Hon'ble Sir D. M. Barbour, K.C.S.I.

The Hon'ble R. J. Crosthwaite.

ACTS VI AND VII OF 1884 AMENDMENT BILL.

The Hon'ble SIR DAVID BARBOUR moved for leave to introduce a Bill to amend Acts VI and VII of 1884. He said:—

"Under section 11 of the Indian Steamships Act, the surveyor who makes a survey of a steamship, if satisfied that he can properly do so, gives the owner or master what is called a declaration in a prescribed form, and containing certain particulars. This declaration the owner or master forwards to an officer appointed in that behalf by the Local Government. Upon receipt of the declaration by the officer in question, the Local Government can grant a certificate of survey, and cause it to be delivered to the owner or master.

"A precisely similar procedure is prescribed under sections 9, 10 and 11 of the Inland Steam-vessels Act in respect of certificates granted in accordance with the provisions of that Act.

"This procedure has not in every Province been found satisfactory. The necessity of a reference to the Local Government causes delay and inconvenience, which may sometimes amount to a serious evil; the Local Governments do not in all cases possess the experience and knowledge requisite for dealing with declarations, and have to rely on the advice of officials who are experts in such matters, so that not unfrequently the reference to the Local Government is not really an additional safeguard. For these reasons it has been held to be expedient to authorise a Local Government to delegate to a competent person its power of granting a certificate of survey whether under the Inland Steam-vessels Act or the Indian Steamships Act.

"No Local Government need adopt this course unless it finds it necessary to do so; and it will be provided that the delegation can only be made with the previous sanction of the Government of India, and that the surveyor who gives a declaration shall not be the person authorised to grant the certificate. These limitations appear to be sufficient to prevent any abuse of the power of delegation.

"Advantage has also been taken of the opportunity to amend the Inland Steam-vessels Act in another respect. A certificate of survey granted under section 11 of that Act specifies the number of passengers the vessel is fit to carry, but there is no provision of the law under which the owner or master can be punished for carrying passengers in excess of the number entered in the certificate. This is an omission which requires to be remedied, and it has therefore been provided that the owner and master shall be liable when passengers are carried in excess of the number entered in the certificate to a fine not exceeding Rs. 10 for every passenger so carried in excess."

The Motion was put and agreed to.

The Hon'ble SIR DAVID BAROUR also introduced the Bill.

The Hon'ble SIR DAVID BARBOUR also moved that the Bill and Statement of Objects and Reasons be published in the Gazette of India in English, and in the Fort St. George Gazette, the Bombay Government Gazette, the Calcutta Gazette and the Burma Gazette in English and in such other languages as the Local Governments think fit.

The Motion was put and agreed to.

CENTRAL PROVINCES TENANCY BILL.

The Hon'ble MR. CROSTHWAITE moved for leave to introduce a Bill to amend the Central Provinces Tenancy Act, 1883. He said:—

"In the Bill to amend the Central Provinces Land-revenue Act, 1881, which was introduced at the last meeting of the Council, it was proposed to make some alterations in the definitions of 'sir-land' and 'tenant' in that Act. As these definitions should be the same in both the Land-revenue and the Tenancy Act, it is necessary to amend the latter Act. This opportunity is also taken to make a few other amendments which appear to be desirable in the Tenancy Act, and to add to it a few provisions which have been shown by experience to be required.

"The Tenancy Act at present does not apply to the scheduled districts. I have already explained in moving for leave to introduce the Bill to amend the Land-revenue Act, 1881, that these scheduled districts consist of certain estates called zamindaris. In those zamindaris which are not scheduled the Central Provinces Tenancy Act of 1883 is in force, while in those which are scheduled Act X of 1859, an Act passed to amend the law relating to the recovery of rent in the Presidency of Fort William in Bengal, is the law which regulates the rights of landlord and tenant. The latter Act is less simple and less suited to the condition of the people than the former, and there is no sound reason why the law of landlord and tenant should not be the same in the scheduled zamindaris as in the zamindaris which are not scheduled. The Bill therefore proposes to extend the Central Provinces Tenancy Act, 1883, to the scheduled districts and so to make the law of landlord and tenant uniform throughout the Provinces.

"The next important amendment, my Lord, is with regard to the class of thekadárs, gaontias or farmers. It is considered that, where a person has held a tract of land under a farming lease and has broken up waste-land at his own expense and cultivated it for some years, he should have a tenant-right in the land. The amendment which it is proposed to make in the Central Provinces Land-revenue Act will provide for the protection of those thekadárs or gaontias who have held their villages for a long period and whose rights should have been provided for at the last settlement. There is another class of thekadárs or gaontias whose leases are of more recent date, but who have, acting on the belief that their leases would be renewed, expended money and labour in breaking up and reclaiming waste-lands. Mr. Mackenzie is of opinion that this class also requires protection, and section 10 of the Bill accordingly provides that a thekadár or gaontia shall have, when ejected, a right of occupancy in waste-land which he has himself, or by hired labour, broken up and cultivated for a period of twelve years. This provision will compensate him for the improvements which he has effected in the land leased to him, and will, it is believed, be in conformity with the feeling of the people. I may mention that the Tenancy Act regards the reclaiming, enclosing or clearing of lands for agricultural purposes as an improvement for making which a tenant can claim compensation, and the same principle is recognized in section 69 of the Punjab Tenancy Act, 1887. A thekadár or gaontia is not a tenant within the meaning of the Central Provinces Tenancy Act and is not therefore entitled under the Act to compensation for improvements.

"Section 12 of the Bill inserts in the Act a Chapter dealing with village-service tenants, that is to say, tenants who are recorded in the settlement-papers as holding land rent-free in consideration of their performing some duty or service in the village. The Tenancy Act makes no special provision for this class of tenants, and consequently they have an ordinary tenant-right in the land they hold, and there is no suitable method of compelling them to perform their duties or of depriving them of the village-service holdings if they are incompetent or refuse to perform their duties. The new Chapter contains a few simple provisions declaring that on the death of a village-service tenant the right in his holding shall pass to his successor in office, and that the holding cannot be transferred by the tenant or sold in execution of a decree, and also prescribing the grounds on which he can be ejected from his holding.

"Section 14 of the Bill proposes to add an important provision to section 53 of the Act. It is found that, in order to prevent a cultivator from obtaining a tenant-right, the device has been resorted to by some landlords of entering into a partnership with a raiyat for the cultivation of land. The landlord supplies the land, and sometimes seed-grain or money, and the raiyat cultivates the land as the landlord's partner. The produce is divided in accordance with the agreement between the landlord and the raiyat. In effect the raiyat is paying a rent in kind, but the contract between him and the landlord is so arranged that the raiyat is not a tenant and can be ejected whenever the contract of partnership is determined. The object of the Tenancy Act was to confer tenant-rights on all tenants, and this device is an evasion of the Act. The Bill proposes, therefore, to provide that in all such cases, where a raiyat cultivates under an agreement of partnership with his landlord, the raiyat shall have the right of an ordinary tenant in the land which he cultivates, and that the rent payable by him shall be fixed by a Revenue-officer on application made by the raiyat or the landlord.

"There is, my Lord, one other proposed amendment in the Tenancy Act which requires some explanation. This is section 16, which inserts in the Act a section in order to provide that, when a Settlement-officer for the purposes of his assessment determines the rents of ordinary tenants and bases his assessment on the rents so determined, the landlord is entitled to recover those rents from the tenant. The Tenancy Act provides that the rents of absolute occupancy and occupancy tenants shall be fixed at the settlement; but there is no corresponding provision regarding ordinary tenants. It is doubtful whether section 15 of the Act will in all cases enable the landlord to enhance the rent of an ordinary tenant when the revenue payable by the landlord on account of the tenant's holding is increased. When the revenue is enhanced on the ground that the rents paid by ordinary tenants are below the rents which a Settlement-officer considers to be fair and reasonable for the purposes of assessment, the landlord should be able to realize enhanced rents from his ordinary tenants without having to go through the process of enhancement provided by the Act.

"The last section of the Bill amends section 41 of the Central Provinces Local Self-government Act, 1883. That section confirmed the rates for the maintenance of roads, schools or the district post, for the payment of which provision was made in the last settlement, and it also provided for the recovery of those rates. In the settlements which are now in progress, or which will shortly be commenced, the payment of these rates will have to be provided for, and it is therefore necessary to amend the section so as to make it apply generally to the rates for the maintenance of roads, schools or the district post for the payment of which provision is made at any settlement.

"The other amendments made by the Bill are of minor importance and are, I think, sufficiently explained in the Statement of Objects and Reasons."

The Motion was put and agreed to.

The Hon'ble MR. CROSTHWAITE also introduced the Bill.

The Hon'ble MR. CROSTHWAITE also moved that the Bill and Statement of Objects and Reasons be published in the Gazette of India in English, and in the Central Provinces Gazette in English and in such other languages as the Local Government thinks fit.

The Motion was put and agreed to.

The Council adjourned to Wednesday, the 10th July, 1889.

SIMLA ;
The 4th July, 1889.

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S. HARVEY JAMES,
Secretary to the Government of India,
Legislative Department.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

CIVIL WORKS.

Irrigation.

REVENUE REPORT OF IRRIGATION WORKS IN SIND FOR 1887-88.

No. 122 I., dated Simla, the 28th June, 1889.

RESOLUTION—By the Government of India, Public Works Department.

Read—

Letter from the Government of Bombay, No. 56 W. I.—783, dated 29th April 1889, submitting the Revenue Report of the Irrigation Department in Sind for 1887-88, with a Memorandum by the Commissioner in Sind and the Resolution of the Government of Bombay on the subject.

The Irrigation system of Sind consists of a great network of canals led off from the Indus, watering a country which is almost rainless and devoid of wells, and which but for these canals would produce hardly any crops, except in basins flooded by the spill of the river. It also includes a system of embankments whose object it is to shut in the flood waters of the river and prevent its spill. But though these canals and embankments practically constitute one combined system, managed indiscriminately by the same engineering and collecting staff, they are distinguished for account purposes into four classes according to the nature of the funds employed in their construction. In the first class, Major Works, are four canals constructed from Loan Funds; in the second, Minor Works for which Capital and Revenue Accounts are kept, are seven canals constructed from Revenue. The rest of the canals fall into the third class, Minor Works for which only Revenue Accounts are kept, having for the most part been constructed from Revenue in earlier years before a careful system of Capital Accounts was started. The fourth class, Agricultural Works, consists chiefly of the embankments in Upper Sind, which are less closely connected with irrigation than with the protection of the country and the retention of the river in its proper course. Few of these canals are entirely new, though all have been greatly improved under British rule. In order to shew what credit is due to the capital expended on them, a calculation has been made of the earnings of the first two classes before improvement; and this sum is deducted from the figures which shew what the financial returns of those canals are. This amount has been fixed for the present at Rs. 4,03,007; but no similar allowance has been made on the other side for the former average cost of maintenance and collection.

2. The main features of the year under review were that the inundation of 1887 was a poor one. The river rose late and fell early; and though it rose to a height at Bukkur which, with one exception, was the highest recorded, it only remained for one day at this height. The general results of the year were nevertheless very satisfactory on the whole. The area irrigated was larger by 56,464 acres than in the previous year; the collections were greater by Rs. 1,06,270. The assessments or gross earnings, including actual miscellaneous receipts, were greater by Rs. 1,26,032; but the expenditure increased, by Rs. 1,68,173. Thus the net earnings of the canals fell off by Rs. 42,141, or about 2 per cent. of the entire net earnings of the Canal system.

3. The Irrigation system was increased by three miles of canals and eight miles of embankments constructed in the Eastern Nara district during the year 1887-88. It consists now of 5,827 miles of canals and 610 miles of

embankments. Capital Accounts are kept of the works on which expenditure is shewn in the following statement; they comprise in all 2,552 miles of canals and 236 miles of embankments:

	Number of Works.	DURING THE YEAR 1887-88.			TO END OF THE YEAR 1887-88.		
		Direct.	Indirect.	Total.	Direct.	Indirect.	Total.
MAJOR WORKS.		<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>
Productive Public Works	4	1,87,226	6,615	1,93,841	80,34,617	2,76,461	83,11,078
MINOR WORKS.	.						
Works of which Capital and Revenue Accounts are kept.	7	...	...	...	30,75,900	1,35,284	32,11,184
TOTAL .	11	1,87,226	6,615	1,93,841	1,11,10,517	4,11,745	1,15,22,262

The Capital Expenditure was chiefly on the distributaries of the Desert and Eastern Nara Canals. The estimated cost of the four Productive Works is Rs. 88,16,984, including indirect charges, so a little over five lakhs remain for expenditure. The estimates of the Minor Works aggregate Rs. 32,98,676, of which only a sum of Rs. 87,492 is still unspent.

4. The following statement shows the actual collections and expenditure on the first two classes of Canals in the year 1887-88 :

CANAL.	Capital Outlay to end of 1887-88.	GROSS REVENUE.				WORKING EXPENSES.			Net Revenue.	Deduct Average Receipts before improvements.	Balance or Net Revenue due to Capital Expenditure.	Percentage of Net Revenue on Capital Outlay.
		Irrigation.		Plantations and Miscellaneous Refunds.	Total.	Direct.	Indirect.	Total.				
		Government Land.	Jaghir Land.									
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
MAJOR WORKS.												
Productive Works—												
Desert Canal	12,16,349	91,709	36,742	229	1,28,680	49,588	1,337	50,925	77,755	...	77,755	639
Unharwah	3,38,915	53,206	10	30	53,246	16,800	341	17,201	36,045	...	36,045	1063
Begari Canal	16,73,079	2,40,604	25,028	465	2,66,035	83,096	1,925	85,021	1,81,074	24,856	1,66,218	934
Eastern Nara Canal	50,92,735	3,15,967	819	15,170	3,31,956	87,003	2,813	89,816	2,42,080	3,444	2,38,636	469
Total Productive Works	83,11,078	7,01,486	62,597	15,894	7,79,977	2,36,607	6,416	2,43,023	5,36,954	28,300	5,08,654	612
MINOR WORKS.												
Works of which Capital and Revenue Accounts are kept.												
Sukkur Canal	13,88,713	1,69,443	479	652	1,70,574	43,571	909	44,480	1,26,094	71,560	54,544	393
Ghar Canal	4,40,977	4,59,614	819	3,836	4,61,269	1,60,721	3,419	1,64,140	3,00,129	1,16,832	1,83,297	4166
Mehrabwah	67,869	23,181	...	202	23,383	9,188	198	9,386	13,997	...	13,997	2063
Alibhar Kacheri Canal	23,917	12,536	635	15	13,186	5,967	158	6,125	7,001	8,427	-1,366	...
Marak Great Canal	2,01,553	81,723	1,895	308	83,926	18,183	376	18,559	65,367	36,459	28,908	1434
Surfrazwah	1,24,680	30,906	1,540	348	32,794	11,898	281	12,174	20,620	11,165	9,465	759
Fuleli Canal	9,63,475	4,88,786	18,924	4,637	5,12,347	2,47,849	5,200	2,53,049	2,59,298	1,80,284	1,29,014	1389
Total Minor Works of which Capital and Revenue Accounts are kept.	32,11,181	12,66,180	24,292	8,999	13,00,479	4,97,372	10,541	5,07,913	7,92,566	3,74,707	4,17,859	1301
TOTAL	1,15,22,262	19,07,675	86,889	25,892	20,80,456	7,33,979	16,927	7,50,936	13,29,520	4,03,007	9,26,513	804
TOTAL FOR 1886-87	1,13,28,421	18,43,767	1,11,385	28,013	19,83,195	6,58,129	18,145	6,76,274	13,06,921	4,03,007	9,03,914	797

Notes.—These figures, which are compiled from Statements I B. and I C. combined with Table VIIA., differ from the Finance Accounts in the following respects:—The Capital Outlay in column 2 includes indirect charges, which are not shown in the Finance Accounts. The indirect charges in column 9, which are mainly a calculation of liability for loans and pension allowances, are not shown in the Finance Accounts. The figures in column 7 (Direct Working Expenses) do not agree with the Finance Accounts, in that they include collection charges in the Civil Department. Of the Receipts in column 5, which are shown in the Accounts under the head "Indirect Receipts," only that portion which pertains to Major Works after deducting Average Receipts before improvements (column 11), is shown in the Finance Accounts.

The net revenue of the Major Works is Rs. 62,547 greater, and that of the Minor Works Rs. 39,948 less, than in the previous year, the aggregate return on capital being 8.04 as compared with 7.97 per cent.

5. The third class of canals, chiefly in the Hyderabad and Karachi districts, for which only Revenue Accounts are kept, comprise 3,275 miles of channels and 374 miles of embankments. These gave the following results in 1887-88 :

	Gross Revenue.	Working Expenses.	Net Revenue.
Direct	(a) 44,730	10,02,394	...
Indirect	17,71,973	...	...
TOTAL	18,16,712	10,02,394	8,14,318
1886-87	18,05,069	8,47,630	9,57,439

(a) NOTE.—This figure differs from that shown in the Finance Accounts (Rs. 44,979) by Rs. 249, due to an adjustment of that amount on account of an error in the preliminary Canal return received in the Examiner's Office by transfer from Works for which Capital and Revenue Accounts are not kept to Works for which Capital and Revenue Accounts are kept.

6. The fourth class, called Agricultural Works, cost Rs. 1,12,491 for extensions, maintenance, and establishment; and a revenue of Rs. 7,212 was realised.

7. Thus the actual gross revenue collected and working expenses incurred in 1887-88 on the Irrigation Works in Sind as compared with that for the preceding year were—

	Gross Revenue.		Working Expenses.	
	1887-88.	1886-87.	1887-88.	1886-87.
(1) Major Works	7,79,977	7,10,178	2,43,023	2,35,771
(2) Minor Works of which Capital and Revenue Accounts are kept	13,00,479	12,73,017	5,07,913	4,40,503
(3) Minor Works of which Revenue Accounts only are kept	18,16,712	18,05,069	10,02,394	8,47,630
(4) Agricultural Works	7,212	9,846	1,12,491	1,73,714
TOTAL	39,04,380	37,98,110	18,65,821	16,97,648

8. But the figures, which shew the amount paid by the canals into the Government Treasury during the year, do not fully express the gross earnings of the works from a commercial point of view. There is a further sum, known as the "difference of assessment in Jaghir lands," which has to be added. This sum is the difference between the assessment actually made on these lands and that which would be made were they not specially favoured at the expense of the canals on account of their tenure. The "difference of assessment on Jaghir lands" in 1887-88 was Rs. 4,00,830, divided thus :

	Rs.
Class (1)	70,750
Class (2)	1,73,186
Class (3)	1,56,894

If the Net Revenue (given in column 12 of the statement in paragraph 4) be increased by the amounts belonging to classes (1) and (2), it will be found that the Irrigation Works in Sind of which Capital Accounts are kept paid in 1887-88 more than ten per cent. on their Capital cost.

Indeed, it is doubtful whether the works might not fairly be credited with even higher profits; for the "working expenses" include the repairs of the embankments in Sind. And these, although they are, in many cases, essential for the protection of irrigated lands, also serve other useful purposes.

9. The major irrigation works in Sind, that is, the four Productive Public Works, shew, collectively, a net profit to the State up to the end of the year of Rs. 7,26,982; that is, the total net revenue up to the end of the year has exceeded the interest charges by that amount. This result is obtained by the profitable working on three out of the four systems; but one, the Eastern Nara Canal, has at present a deficit of Rs. 8,57,285. Commencing from 1887-88, a reduction in the deficit has been made; and there is every reason to expect that further reductions will annually occur.

11. The areas irrigated in 1887-88 by the different classes of works are shewn in the following statement as compared with those of the three previous years :

	1887-88.			1886-87.	1885-86.	1884-85.
	Government Lands.	Jaghir Lands.	Total.			
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Productive Public Works	373,895	72,444	446,339	409,171	402,004	392,353
Minor Works (of which Capital and Revenue Accounts are kept)	526,394	73,431	599,825	582,121	541,070	592,448
Minor Works (of which Capital and Revenue Accounts are not kept)	749,498	71,612	821,110	816,089	790,973	794,355
Agricultural Works	3,840	...	3,840	5,269	5,872	3,981
TOTAL	1,653,627	217,487	1,871,114	1,814,650	1,739,919	1,783,173

The area irrigated is greater than that of the previous year, which was the largest on record except that of 1878-79. The increase was distributed over the majority of the works, but was largest on the Eastern Nara Canals. There was a decrease in Irrigation on the Begari and Ghar Canals and on some few of the other works. The decrease on the Begari Canal was due to the defective supply in June, caused partly by the low inundation of the year, and partly by the defective supply in a channel called the Wadda Dhand.

12. The following statement shows the working expenses, including indirect charges, of the year under review, compared with the corresponding figures of the previous three years :

	Working Expenses.	Rate per acre irrigated.	Working Expenses.		
	1887-88.		1886-87.	1885-86.	1884-85.
MAJOR WORKS—CLASS (1).	Rs.	Rs.	Rs.	Rs.	Rs.
<i>Productive Public Works—</i>					
Desert Canal	50,925	0.57	48,915	39,092	44,042
Unharwah	17,201	0.58	15,935	9,870	...
Begari Canal	85,021	0.53	70,683	78,861	83,054
Eastern Nara Canals...	89,876	0.52	94,238	90,229	88,964
TOTAL PRODUCTIVE PUBLIC WORKS	2,43,023	0.54	2,35,771	2,18,952	2,16,660

	Working Expenses. 1887-88.	Rate per acre irrigated.	Working Expenses.		
			1886-87.	1885-86.	1884-85.
	Rs.	Rs.	Rs.	Rs.	Rs.
MINOR WORKS—CLASS (2) <i>of which Capital and Revenue Accounts are kept.</i>					
Sukkur Canal	44,480	0.61	30,444	41,416	32,791
Char Canal	1,64,140	0.98	1,69,591	1,98,721	1,88,385
Mehrabwah	9,386	0.72	15,420	9,562	17,581
Alibhar Kacheri Canal	6,125	0.92	5,936	7,938	8,822
Marak Great Canal	18,559	0.45	16,207	16,477	19,543
Surfrazwah	12,174	0.51	15,990	11,466	12,334
Fuleli Canal	2,53,049	0.91	1,86,915	1,95,690	2,12,186
Total Minor Works of which Capital and Revenue Accounts are kept	5,07,913	0.84	4,49,503	4,81,180	4,91,642
Grand Total Works of which Capital and Revenue Accounts are kept	7,50,936	0.71	6,76,274	7,00,132	7,08,362
Rate per acre irrigated . . . . .	...	0.71	0.68	0.74	0.71
(CLASS 3.)					
Minor Works of which only Revenue Accounts are kept	10,02,394	1.22	8,47,630	8,13,623	8,37,165
Rate per acre irrigated . . . . .	...	1.22	1.04	1.02	1.05

Indirect charges are not shown in the case of Works of the third class.

The average rate per acre of working expenses on all the three classes of canals has been—

	1887-88.	1886-87.	1885-86.	1884-85.
Area	1,867,274	1,809,381	1,734,017	1,779,189
Amount	1,753,330	1,523,904	1,513,755	1,545,467
Rate per acre of working expenses	0.93	0.84	0.87	0.86

For the Agricultural works the figures are —

	Working Expenses. 1887-88.	Working Expenses.		
		1886-87.	1885-86.	1884-85.
	Rs.	Rs.	Rs.	Rs.
Working Expenses	1,12,491	1,73,744	63,238	55,935

13. It will be noticed that the working expenses of all the three classes of canals have increased in the year under review. This increase is explained generally by the Superintending Engineer (paragraph 13, page 7) in the following words :

“The excess expenditure was rendered necessary by the short amount of grants in previous years and the consequent decay of the canals. However, it is a matter of congratulation that the expenditure well paid for itself, and there is no doubt that a much larger expenditure on canals in Sind would be much more than covered.”

The Government of Bombay does not admit the accuracy of this statement. The matter is ably dealt with in paragraphs 14 to 18 inclusive of the Resolution of that Government. It is shewn that the allusion to the decay of the canals

is refuted by evidence in the report itself, and the following extract gives the opinion of the Government of Bombay :

"Government concur in the advantage financially of a liberal expenditure on canals in Sind; but the question as to the specific direction in which outlay may be made most productive is one requiring very careful consideration. As regards clearances, it is observed that the revenue is dependent principally on the character of the inundation and not on actual bed clearances; and it is apparent that money spent in any one season on extraordinary bed clearances of the canals running much below the level of the country might be almost, if not entirely, wasted, if the following inundation was a favourable one. This is exemplified by the reports, which show that in 1886-87, after a good inundation and comparatively small expenditure, there were no complaints; whereas in 1887-88, after a poor inundation and large expenditure, there are demands for increased outlay. The outlay beyond a certain point is, in fact, only an insurance against an unfavourable inundation level; and it is a question if better *average* results would not be obtained by improvements in alignment, width, &c., rather than by extra clearance outlay, except perhaps on the tails of some of the canals, e.g., the Fuleli, which require thorough clearance, as well as improvements."

The Government of India concurs generally in this opinion. With regard to the conclusion that, provided financial requirements admit, an average of nine lakhs of rupees should be annually devoted to the maintenance and repairs of these canals, the reply of the Bombay Government is awaited to the call for information on the subject of the cost of clearances in Sind which was made in the course of 1888. On the 30th October 1888 the Government of Bombay reported that that information was ready and would be forwarded at once; but it has not yet been received.

14. The details of the working expenses of works of Classes 1 and 2 for which Capital and Revenue Accounts are kept are as follows :

	1886-87. Rs.	1887-88. Rs.
Extensions and Improvements	17,552	25,913
Maintenance and Repair	4,31,191	3,51,329
Establishment	2,81,571	2,78,219
To Land Plant	1	2,351
Indirect Charges	16,957	18,145
Total	7,59,921	6,76,957

The charge for Establishment is made up of the following items :

	1886-87. Rs.	1887-88. Rs.
Share of Direction and Accounts	31,943	31,855
Executive Officers	89,180	91,770
Establishment under Civil Officers	1,60,421	1,48,594
	2,81,544	2,72,219

The Establishment charges are distributed in the same manner as those in the Bombay Presidency (*vide* paragraph 9 of Government of India Resolution No. 30-I. of 22nd February 1889). The establishment under Civil Officers is a share of the cost of Civil Establishments employed in collecting revenue, and is calculated at 10 per cent. on the actual revenue collected in that department.

15. The Commissioner in Sind, in paragraphs 38 to 40 of his memorandum No. 399 of 31st January 1889, refers to the expenditure on Working Expenses. He points out that the establishment charged to "Works and Repairs" is more costly than the regular establishment, which is accounted for under its proper head. The comparison made by the Commissioner is not quite an accurate one, as he omits to notice that a considerable proportion of the charge for permanent establishment is properly chargeable to "Revenue management" and not to "Maintenance." However, there can be no doubt that the charges for "work establishment" are most abnormally large, being, for the works for which Capital Accounts are kept, apparently more than half the total charges to "Works." This matter appears to call for the early attention of the Government of Bombay.

16. The remissions of Revenue on Government lands were Rs. 61,937, or less than half those of the previous year, and considerably below the average of former years. The unrealized balance on account of Government lands were considerably decreased during the year. The amount outstanding for 1886-87 was 92,055; that for 1887-88, only Rs. 42,597. The unrealized balance for Jaghir lands, however, increased from Rs. 90,289 to Rs. 94,813. In this case the largest arrears are in Khelat: the question of the assessments and collections in this territory is now under the consideration of the Government of India.

17. The report is accompanied by a memorandum by the Commissioner in Sind, which contains some important suggestions concerning the following points:

The necessity of early clearances and early openings of the canals.

The danger of canalising the Indus.

The injury done by keeping out spill water, which used to fertilise the land. If this is set against the advantages of the canals, the result is a less and not a greater cultivated area.

Absorption of water by landholders living near the heads of the canals.

Payment for the use of surplus water let out over grazing lands.

Fuller information as to cultivation and crop areas on each canal, and as to expenditure on maintenance.

Government of Bombay has decided to refer the suggestions of the Commissioner for the opinion and remarks of the Superintending Engineer and Examiner of Public Works Accounts. The Government of India will learn the result of these references.

The Government of India has under separate consideration the question of the very late date on which the Revenue Report of Irrigation operations in Sind is invariably submitted. It is noticed that in the forwarding letter the Government of Bombay again mentions the time taken in printing as one of the chief causes of delay. This reason is not one to which much weight should be attached, as the amount of printing is trifling.

ORDER.—Ordered, that a copy of this Resolution be forwarded to the Government of Bombay in the Public Works Department for information.

Ordered also, that a copy of this Resolution, of the Report, and of the Resolution by the Government of Bombay, be forwarded for information to the Governments noted in the margin in the Public Works Department; and that a copy of this Resolution, of the Report, and of the Resolution by the Government of Bombay, be forwarded to the Department of Finance and Commerce, and to the Revenue and Agricultural Department, for information.

Ordered further, that a copy of this Resolution, the Resolution by the Local Government, and the Memorandum by the Commissioner in Sind, together with the General Abstract of Financial Results, be published in the Supplement to the *Gazette of India*; and that copies of this Resolution be forwarded to Her Majesty's Secretary of State for India.

R. HOME, Colonel, R.E.,
Deputy Secy. to the Govt. of India.

Enclosure to Public Works Department Resolution No. 122-I. of 1889.

RESOLUTION—By the Government of Bombay, Public Works Department.

No. 56 W. L.—783, dated 29th April 1889.

Read—

Letter from the Superintending Engineer for Irrigation in Sind, No. 3961, dated 20th December 1888.—Submits the Revenue Report of Irrigation Works in Sind for 1887-88, with the usual tables, charts and index map of Sind, and also a comparative statement showing a series of readings of the gauges at Bukkur and Kotri.

Memorandum from the Commissioner in Sind, No. 399, dated 31st January 1889.—Forwards the above with remarks.

Letter from the Superintending Engineer for Irrigation in Sind, No. 540, dated 11th February 1889.—Forwards an explanation of certain mistakes noticed by the Commissioner in Sind in the Tables attached to the Revenue Report for 1887-88. Submits fresh copies of Tables IV, and VIA, which are now correct.

Telegram from the Superintending Engineer in Sind, dated 4th April 1889 :—"Discrepancy, Government Resolution 812, due to write off. Alter column 2, gross revenue to Rs. 34,94,180 and collection charges to Rs. 3,42,170."

Telegram from the Superintending Engineer in Sind, dated 4th April 1889 :—"Please adopt Examiner's figures of Revenue Account."

Telegram from the Superintending Engineer in Sind, dated 4th April 1889.

Telegram from the Superintending Engineer in Sind, dated 6th April 1889.

RESOLUTION.—The inundation of 1887 is characterised by the Superintending Engineer as a very poor one: the river rose late and fell early, and, though the maximum height at Bukkur was the highest on record, except that of 1882, it only remained at that height for one day—a most unusual incident. The Commissioner in Sind describes it as somewhat irregular and deficient, but says the season was on the whole favourable, as the rainfall was seasonable and the prices of produce ruled unusually high.

2. The mileage of canals and river embankments was 5,827 and 610 miles respectively, or practically the same as in the previous year.

3. The agricultural operations and financial results of the year are the best on record. The area of cultivation on the canals was 1,871,114 acres, including 217,497 acres of jaghir: the irrigation share of net consolidated assessment was Rs. 37,20,291, and the total canal revenue (assessed) was Rs. 38,82,426, as follows:

Treated in the Accounts as Indirect Revenue.

	Rs.
Consolidated land and water assessments	41,95,588
Deduct—Remissions	61,937
Net consolidated assessments	41,33,651
Deduct—Land share	4,13,360
Irrigation or water share of net consolidated assessments	37,20,291

Revenue accounted for as Direct Receipts.

	Rs.
Assessments on jaghir cultivation	1,18,205
Deduct—Remissions	1,450
Miscellaneous Receipts (actuals)	1,16,945
	45,290
	38,82,426

4. The expenditure on maintenance and repairs was Rs. 13,02,617 and that on extensions and improvements Rs. 2,04,096. The charge debited to the canals for share of collection charges incurred in the Revenue Department was Rs. 3,42,170. The total charges were thus Rs. 18,48,883. This is exclusive of a charge of Rs. 16,957 under Indirect charges (Leave and Pension Allowances) included in the Examiner's statement showing the Financial Results of the works for which Capital Accounts are kept.

16. The remissions of Revenue on Government lands were Rs. 61,987, or less than half those of the previous year, and considerably below the average of former years. The unrealized balance on account of Government lands were considerably decreased during the year. The amount outstanding for 1886-87 was 92,055; that for 1887-88, only Rs. 42,597. The unrealized balance for Jaghir lands, however, increased from Rs. 90,289 to Rs. 94,813. In this case the largest arrears are in Khelat: the question of the assessments and collections in this territory is now under the consideration of the Government of India.

17. The report is accompanied by a memorandum by the Commissioner in Sind, which contains some important suggestions concerning the following points:

- (1) The necessity of early clearances and early openings of the canals.
- (2) The danger of canalising the Indus.
- (3) The injury done by keeping out spill water, which used to fertilise the land. If this is set against the advantages of the canals, the result is a less and not a greater cultivated area.
- (4) Absorption of water by landholders living near the heads of the canals.
- (5) Payment for the use of surplus water let out over grazing lands.
- (6) Fuller information as to cultivation and crop areas on each canal, and as to expenditure on maintenance.

The Government of Bombay has decided to refer the suggestions of the Commissioner for the opinion and remarks of the Superintending Engineer and the Examiner of Public Works Accounts. The Government of India will be glad to learn the result of these references.

18. The Government of India has under separate consideration the question of the very late date on which the Revenue Report of Irrigation operations in Sind is invariably submitted. It is noticed that in the forwarding letter the Government of Bombay again mentions the time taken in printing as one of the chief causes of delay. This reason is not one to which much weight should be attached, as the amount of printing is trifling.

ORDER.—Ordered, that a copy of this Resolution be forwarded to the Government of Bombay in the Public Works Department for information.

Ordered also, that a copy of this Resolution, of the Report, and of the Resolution by the Government of Bombay, be forwarded for information to the Governments noted in the margin in the Public Works Department; and that a copy of this Resolution, of the Report, and of the Resolution by the Government of Bombay, be forwarded to the Department of Finance and Commerce, and to the Revenue and Agricultural Department, for information.

Ordered further, that a copy of this Resolution, the Resolution by the Local Government, and the Memorandum by the Commissioner in Sind, together with the General Abstract of Financial Results, be published in the Supplement to the *Gazette of India*; and that copies of this Resolution be forwarded to Her Majesty's Secretary of State for India.

Enclosure to Public Works Department Resolution No. 122-I. of 1889.

RESOLUTION—By the Government of Bombay, Public Works Department.

No. 56 W. I.—783, dated 29th April 1889.

Read—

Letter from the Superintending Engineer for Irrigation in Sind, No. 3861, dated 20th December 1888.—Submits the Revenue Report of Irrigation Works in Sind for 1887-88, with the usual tables, charts and index map of Sind, and also a comparative statement showing a series of readings of the gauges at Bukkur and Kotri.

Memorandum from the Commissioner in Sind, No. 399, dated 31st January 1889.—Forwards the above with remarks.

Letter from the Superintending Engineer for Irrigation in Sind, No. 540, dated 11th February 1889.—Forwards an explanation of certain mistakes noticed by the Commissioner in Sind in the Tables attached to the Revenue Report for 1887-88. Submits fresh copies of Tables IV and VIA, which are now correct.

Telegram from the Superintending Engineer in Sind, dated 4th April 1889 :—"Discrepancy. Government Resolution 812, due to write off. Alter column 2, gross revenue to Rs. 34,94,180 and collection charges to Rs. 3,42,170."

Telegram from the Superintending Engineer in Sind, dated 4th April 1889 :—"Please adopt Examiner's figures of Revenue Account."

Telegram from the Superintending Engineer in Sind, dated 4th April 1889.

Telegram from the Superintending Engineer in Sind, dated 6th April 1889.

RESOLUTION.—The inundation of 1887 is characterised by the Superintending Engineer as a very poor one: the river rose late and fell early, and, though the maximum height at Bukkur was the highest on record, except that of 1882, it only remained at that height for one day—a most unusual incident. The Commissioner in Sind describes it as somewhat irregular and deficient, but says the season was on the whole favourable, as the rainfall was seasonable and the prices of produce ruled unusually high.

2. The mileage of canals and river embankments was 5,827 and 610 miles respectively, or practically the same as in the previous year.

3. The agricultural operations and financial results of the year are the best on record. The area of cultivation on the canals was 1,871,114 acres, including 217,487 acres of jaghir: the irrigation share of net consolidated assessment was Rs. 37,20,291, and the total canal revenue (assessed) was Rs. 38,82,426, as follows:

Treated in the Accounts as Indirect Revenue.

	Rs.
Consolidated land and water assessments	41,95,588
<i>Deduct</i> —Remissions	61,037
Net consolidated assessments	41,33,651
<i>Deduct</i> —Land share	4,13,360
Irrigation or water share of net consolidated assessments	37,20,291

Revenue accounted for as Direct Receipts.

	Rs.
Assessments on jaghir cultivation	1,18,295
<i>Deduct</i> —Remissions	1,450
Miscellaneous Receipts (actuals)	1,16,945
	45,290
	38,82,426

4. The expenditure on maintenance and repairs was Rs. 13,02,617 and that on extensions and improvements Rs. 2,04,096. The charge debited to the canals for share of collection charges incurred in the Revenue Department was Rs. 3,42,170. The total charges were thus Rs. 18,48,883. This is exclusive of a charge of Rs. 16,957 under indirect charges (Leave and Pension Allowances) included in the Examiner's statement showing the Financial Results of the works for which Capital Accounts are kept.

The outlay incurred on Capital Account during the year amounted to Rs. 1,93,841. To this there is no allusion anywhere in the report. It was incurred wholly on the four works classed as Major Works.

5. Comparing the results of the year with those of the previous year (one of 'very good' inundation), there was an increase in the area of cultivation of 53,464* acres. Of the increase on the Government lands, 29,523 acres was in the rabi area. The irrigation share of net consolidated assessments shows an increase of Rs. 1,30,792, of which Rs. 55,806 was in the rabi assessments.

The total canal revenue (assessed) shows an increase of Rs. 1,45,814, as follows:

	Rs.
Increase in net consolidated assessments	1,30,792
Increase in net assessment on jaghir cultivation	18,189
	<u>1,48,981</u>
Deduct—Decrease in miscellaneous receipts	3,167
Net increase	<u>1,45,814</u>

The increase in jaghir assessment is due to a large reduction in the remissions, which, in 1886-87, were Rs. 24,942,† as compared with Rs. 1,450 in 1887-88. Of this latter amount, Rs. 170 were on account of the previous year.

The decrease in miscellaneous receipts is explained by the Commissioner as principally due to decreased receipts from fisheries.

6. The expenditure of the year again shows a large increase, amounting to Rs. 1,69,375, as follows:

	OUTLAY.		Increase.	Decrease.
	1886-87.	1887-88.		
	Rs.	Rs.	Rs.	Rs.
Extensions and Improvements	2,00,615	1,67,420	...	33,195
Maintenance and Repairs	8,27,922	10,41,501	2,13,579	...
Public Works Establishment	3,21,577	2,97,792	...	23,785
Total in Public Works Department	13,50,114	15,06,713	1,56,599	...
Revenue (collection charges)	3,29,394	3,42,170	12,776	...
TOTAL	16,79,508	18,48,883	1,69,375	...

No description is given of the works carried out from expenditure classed as extensions and improvements. This omission should be supplied in future reports. The expenditure on maintenance and repairs was largely in excess of that in the previous year, or in any previous year, and almost the whole† of the increase was spent on the canals themselves and not on the river embankments.

It is argued from the smallness of the remissions of Government revenue (less than half those of the average of the previous six years and only 1·5 per cent. on the assessed revenue) that the canals were in excellent order, and, had this not been so, the admirable results shown for the year's cultivation and revenue would not have been realised owing to the poor inundation. From the figures given relating to cultivation on the Ghar (see paragraph 21 of this Resolution) the decrease in remissions would appear to be largely due to the flexibility of the irrigational settlement.

The charge for Public Works Establishment shows a reduction of Rs. 23,785. Including the sums debitable to Capital, the Establishment charges were—

	1886-87.	1887-88.
	Rs.	Rs.
Capital	41,379	47,263
Revenue	3,21,577	2,97,792
	<u>3,62,956</u>	<u>3,45,044</u>

showing a net reduction of Rs. 17,912.

7. The net canal revenue (assessed) during the year was Rs. 20,33,543, as compared with Rs. 20,57,104 in 1886-87, showing a decrease of Rs. 23,561, or only 1 per cent., in spite of the heavy charges incurred. In both cases the charges for river embankments are treated as debits to revenue, though those for the bunds in Upper Sind are accounted for under Agricultural Works for which no Capital or Revenue Accounts are kept.

8. There were, it is reported, no very sweeping changes in the course of the river during 1887, but in the delta, where the river bifurcates, extensive erosion took place, and further changes seem likely.

9. The suggestion made in paragraph 24 of last year's review, in regard to distinguishing between figures showing assessments and realizations, has been followed in the tables accompanying the report, but not in those given in the body of the report. Tables A and B in paragraphs 5 and 6 both show assessments, but in the latter and again in paragraph 7 the expression "consolidated revenue" is used where "consolidated assessments" are referred to. The Table C in the latter paragraph and Table D (a) in paragraph 10 include the irrigation share of the net consolidated assessments and actual receipts under Hakaba—an inconvenient combination: in respect of miscellaneous receipts included in Table C, it may not be feasible to give the assessments. There is a small discrepancy in the total shown as actual realizations in Table D, as compared with the corresponding figures in Tables D (a) and II and III.

10. The question of the irrigation in Khelat Territory is under reference to the Government of India, and it is hoped that arrangements may be made for the systematic assessment of the lands irrigated beyond the Frontier, and for the control of remissions and the punctual realization of the revenue. It is observed that the water supply was reported as good, and that, on the basis of partial measurements, a large increase in cultivation in Khelat Territory was at one time anticipated, but the returns show a decrease. In the Finance Accounts of the year, the Examiner explains the delay in realizing the revenue in Khelat Territory as due to the removal of the Naib and his establishment by His Highness the Khan of Khelat. This is not alluded to by the Superintending Engineer.

11. The sum shown as loss to the canals by the difference between the Hakaba levied on jaghir cultivation and the assessment thereon calculated at the ordinary rates in force for Government lands, is Rs. 4,00,830, as compared with Rs. 3,80,214 in the previous year. A large proportion of this loss is on the canals in the Hyderabad District. The Commissioner observes that in some instances additional contributions in the shape of enhanced Hakaba may be possible, and the subject is engaging his attention.

12. The Table E gives a comparison between assessments and realizations of the consolidated land and water revenue (not the total revenue as stated). The total for collection should apparently be—

	Rs.
Outstandings	92,155
Net assessments of the year	41,33,651
	<u>42,25,706</u>

instead of Rs. 42,05,183. A similar discrepancy was remarked upon last year, and it was subsequently explained as due to deductions of remissions on account of previous years. Instructions were given that explanation regarding such discrepancies should be given in future reports, but this has not been attended to. The form of Table E should be modified to afford the information in future.

13. The remissions of the year amounted to Rs. 51,937, or Rs. 71,482 less than the previous year, and with the exception of 1851-52 were considerably lower than in any of the previous six years. This, as observed by the Commissioner, is very satisfactory; the inference drawn therefrom as regards the state of the canals and the effect of the irrigational settlement, has already been commented upon.

14. The statement made in paragraph 13 of the Superintending Engineer's report that the excess expenditure incurred in 1887-88 was rendered necessary by the short amount of grants in previous years and the consequent decay of the canals, requires some explanation. The subject was reviewed at some length in a Resolution of this Government of 25th January

* No. 10 W. I.—188 A. of 1889.

1888,* which showed that ever since 1881-82 inclusive, the estimate of the requirements put forward by the Irrigation Officers in Sind had been accepted by this Government, and not only so, but that the grants actually allotted were considerably in excess of those estimates. The expenditure in 1886-87 was—

	Rs.
Major Works	1,20,178
Minor Works	7,07,744
	<u>8,27,922</u>

as compared with—

	Rs.
Major Works	1,52,000
Minor Works	6,64,000
	<u>8,16,000</u>

the estimate of requirements framed by the Superintending Engineer in 1884. It should be noted that as regards Major Works there never has been any difficulty or restriction on

allotments, and the fact that the outlay was less than the estimate must be understood as implying that the canals of that class did not require a larger expenditure for their maintenance. It will be observed that the outlay on canals classed as Minor Works was in 1886-87 Rs. 43,744 in excess of the estimates of 1884. That this was sufficient may further be judged from the fact that no complaints as to the insufficiency of the clearance grants or as to the state of the canals were made in the Report for 1886-87. The inundation of 1886 was a very good one, and the Commissioner reported the results of the year "in all divisions were satisfactory so far as they could be controlled by the department." From the date of the enquiry ordered by the Secretary of State, or from 1881-82 to 1886-87 inclusive, therefore no complaint can hold good which would attribute any shortcomings in the state of the canals to short amount of grants in previous years, unless it is intended to imply that the estimates of requirements put forward by the then responsible officers were insufficient and that those officers were ignorant of the state in which the canals were, as the result of the expenditure which even exceeded those estimates.

As regards the year 1887-88 the Original Budget grant was—

	Rs.
Major Works	1,24,000
Minor Works	7,16,000
	<hr/> 8,40,000

or, as regards Minor Works, still considerably in excess of the estimate of requirements framed in 1884. In January 1887, before the issue of the Budget for 1887-88, the Superintending Engineer in Sind represented that this grant would be insufficient, and referring to a report he had written in February 1886 on the financial question of provincializing the works in Sind then under consideration, urged that the grant for repairs in 1887-88 should be increased to the amount therein estimated as the basis for such an arrangement, namely 9 lakhs. He further then reported that he had been sanctioning clearance estimates on the supposition that under the new Provincial contract the full amount of 9 lakhs would be granted for 1887-88. In other words, he had in 1886-87 been forestalling the grant for 1887-88 and in consequence in October 1887 his successor represented that only Rs. 1,34,429 were then in hand for the entire Province to commence work with and carry on up to 31st March 1888. He represented a further grant as absolutely necessary partly on these grounds and partly on the grounds that owing to the numerous rises and falls of the river during the previous season (1887) the canals were more silted than usual. A large additional grant was sanctioned on this representation, but it is evident from the foregoing explanation that it was necessitated partly to put a stop to the system of forestalling grants and partly by reason of special conditions resulting from the character of the inundation of the year 1887.

15. Further the allusion to the decay of the canals is refuted by evidence in the report itself, which shows that the canals were in excellent working order, and that, had this not been so, the revenue would have been affected by the poor inundation, and not have increased in the satisfactory way it is shown to have done. Moreover, if there was any such decay, it was the duty of the Superintending Engineer to have reported it at once. This was not done, neither is there any allusion to the matter, important as it is, in any of the previous Revenue Reports, and Government must regard the expression as one entirely unsupported by any evidence.

16. Government concur in the advantage financially of a liberal expenditure on canals in Sind, but the question as to the specific direction in which outlay may be made most productive is one requiring very careful consideration. As regards clearances it is observed that the revenue is dependent principally on the character of the inundation and not on actual bed clearances, and it is apparent that money spent in any one season on extraordinary bed clearances of the canals running much below the level of the country might be almost, if not entirely, wasted, if the following inundation was a favourable one. This is exemplified by the reports which show that in 1886-87, after a good inundation and comparatively small expenditure, there were no complaints, whereas in 1887-88, after a poor inundation and large expenditure there are demands for increased outlay. The outlay beyond a certain point is, in fact, only an insurance against an unfavorable inundation level, and it is a question if better average results would not be obtained by improvements in alignment, width, &c., rather than by extra clearance outlay, except perhaps on the tails of some of the canals, e.g., the Fuleli, which require thorough clearance as well as improvements.

17. The Commissioner, in paragraph 8 of his report, alludes to 9 lakhs of rupees a year, which he, the late Commissioner, and late Superintending Engineer, as well as the present Superintending Engineer, agree in considering essential for the ordinary clearance and maintenance of Sind canals. This is the estimate of February 1886, above referred to, and the amount is comprised as follows:

	Rs.
Major Works	1,31,000
Minor Works—	
Canals	6,46,000
Bunds	1,23,000
	<hr/> 7,69,000
	<hr/> 9,00,000

Transfers from the head Major Works to Minor Works are not allowable, and the foregoing statement is in excess of the actual demands under the head Major Works, as submitted in the Superintending Engineer's Budget for the last two years, which demands have been complied with in full:

The grant for 1888-89 was—

	Rs.
Major Works	1,24,000
Minor Works	7,99,000
	<u>9,23,000</u>

That for 1889-90 is—

	Rs.
Major Works	1,24,000
Minor Works	7,69,000
	<u>8,93,000</u>

The latter figures were communicated to the Superintending Engineer on 19th January last, the earliest possible date.

18. Government are not prepared to admit that the possible fluctuations in Budget grants under this head are such as to interfere with the preparation of a well-considered programme for the season's operations, but if it will in any way aid to such an end, it may be assumed that the grant will, as recommended, not be less in the ensuing five years than rupees 9 lakhs, of which Rs. 1,81,000 is for Major Works, the actual grant under that head being fixed according to the detailed Budgets.

19. The question of adjusting a portion of the cost of the maintenance of the river embankments in Upper Sind to the debit of the Railway is an accounts one. It is undoubtedly incorrect that the whole amount should be treated as a charge against the canal revenue, but in fact this is done in determining the net canal revenue of the Province for comparative purposes only. The outlay on the Kashmir and Kasimpur bunds in Upper Sind is accounted for under the head Agricultural Works for which no Capital or Revenue Accounts are kept. On the other hand, it is wrong that special repairs to protective embankments should, when required, be executed at the expense of the canals. This, however, is a matter which rests entirely with the Superintending Engineer, who, if special grants for embankments not solely for the protection of canal revenue are required, should represent it, and not sanction them by re-appropriation from the grants for canals. Such re-appropriations involve a transfer from Revenue Account Works to Agricultural Works, and it will perhaps be advisable to make a rule prohibiting such transfers without the previous sanction of Government. The question is moreover not of the importance that might be supposed from the figures given in Table G (a), as, for instance, out of the total of Rs. 1,82,743, shown as expenditure on repairs to bunds in 1887-88, Rs. 89,585 was on embankments in Lower Sind, purely for the protection of canal revenue, and therefore presumably just as essential as canal clearances.

20. The financial result of the four Major Works for the year are as follows:—

	DURING THE YEAR.			TO END OF THE YEAR.		
	Direct.	Indirect.	Total.	Direct.	Indirect	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Major Works— Capital Outlay	1,87,226	6,615	1,93,841	80,34,617	2,76,461	83,11,078
Gross Revenue	78,491	6,73,186	7,51,677	9,51,747	92,86,601	1,02,38,348
Working Expenses	2,36,607	6,416	2,43,023	45,39,982	1,66,168	47,06,150
Net Revenue		5,08,651			54,72,198	
Simple Interest		3,17,639			47,15,216	
Net profit after paying Inter- est.		1,91,015			7,26,983	

In the previous year the net profit was Rs. 1,36,908, and the figures thus show an improvement of Rs. 54,107, or nearly 40 per cent. All the works show an increase except the Begari Canal, which suffered from a deficiency in the supply in the Dhand (side channel or back water) from which it is fed; its working expenses too were heavier than in the previous year. The increase was largest on the Eastern Nara Works, which show satisfactory progress.

The comparison with figures of the previous year is as follows:

	1886-87. Rs.	1887-88. Rs.
Gross Revenue	6,81,883	7,51,677
Working Expenses	2,36,776	2,43,023
Net Revenue	<u>4,46,107</u>	<u>5,08,654</u>

21. The Minor Works for which Capital and Revenue Accounts are kept show the following results, as compared with the previous year :

	1886-87. Rs.	1887-88. Rs.
Capital Outlay	32,11,184	32,11,184
Gross Revenue	8,98,310	9,25,791
Working Expenses	4,40,503*	5,07,932†
Net revenue	4,57,807	4,17,859

* Includes Rs. 11,385 for indirect charges.
† Includes Rs. 10,641 for indirect charges.

The increase in Gross Revenue was principally on the Fuleli and Sukkur Canals : on the Ghar, on the other hand, there was again a large falling off, due to the lower assessment on jowari crops, which, owing to the deficient inundation, extensively replaced rice. The area of the latter crop fell from 128,889 acres in 1886-87 to 44,539 acres in 1887-88, while that of the former increased from 28,230 to 81,089 acres. The increase in Working Expenses was principally on the Sukkur Canal and Fuleli : on the former Rs. 14,036, and on the latter Rs. 66,124.

22. The class "Works for which only Revenue Accounts are kept" gave the following results :

	1886-87. Rs.	1887-88. Rs.
Gross Revenue	18,05,069	18,16,712
Working Expenses	8,47,630	10,02,394
Net Revenue	9,57,439	8,14,318

23. Under the head "Agricultural Works for which neither Capital nor Revenue Accounts are kept," which includes the Kashmir and Kassimpur Bunds in Upper Sind, the figures of the year compare with those of the previous year as follows :

Outlay—

	1886-87. Rs.	1887-88. Rs.
Original Works	1,07,655	52,035
Repairs	37,334	40,165
Establishment and Tools and Plant	27,790	19,595
Collection charges	965	696
TOTAL	1,73,744	1,12,491

Receipts—

Direct	191	254
Indirect	9,652	6,958
	9,846	7,212

The decrease in expenditure is on the Loop Bund near Kashmir. The decrease in revenue is not explained, but is probably due to the deficient inundation.

24. Recapitulating the results of the year under all heads, they were as follows :

	Gross Revenue.	Working Expenses.	Net Revenue.
	Rs.	Rs.	Rs.
Major Works	7,51,677	2,43,023	5,08,654
Minor Works—			
Works for which Capital and Revenue Accounts are kept	9,25,791	5,07,932	4,17,859
Works for which only Revenue Accounts are kept . .	18,16,712	10,02,394	8,14,318
	34,94,180	17,53,349	17,40,831
Agricultural Works	7,212	1,12,491	—1,05,279
	35,01,392	18,65,840	16,35,552

The figures under Gross Revenue exclude the average net revenue before improvement on the Works for which Capital and Revenue Accounts are kept. The deduction on this account was Rs. 4,03,007, and with this addition the total is Rs. 39,04,399, as follows :

	Rs.
Irrigation share of collections of year, Table E.	37,46,333
Hakaba, Table III	1,12,503
Miscellaneous Receipts, Table III.	45,290
	<hr/>
	39,04,126
	<hr/>

This discrepancy of Rs. 273 is not explained.

Again under Working Expenses, the figures differ from those in previous portions of the report by reason of the inclusion here of Rs. 16,957 for indirect charges (Leave and Pension Allowances). The following is an analysis of the total expenditure other than Capital during the year :

	Major Works.	MINOR WORKS.			Total.
		Works for which Capital and Revenue Accounts are kept.	Works for which only Revenue Accounts are kept.	Agricultural Works.	
<i>Extensions and Improvements.</i>	Rs.	Rs.	Rs.	Rs.	Rs.
Works { Canals . . . . .	...	17,552	4,697	1,451	23,700
{ Bunds . . . . .	...	...	93,196	50,581	1,43,717
Establishment and Tools and Plant . . . . .	...	4,226	21,729	16,721	36,676
Total . . . . .	...	21,778	1,19,562	62,756	2,04,096
<i>Maintenance and Repairs.</i>					
Repairs { Canals	1,21,620	3,12,570	4,23,911	608	8,58,709
{ Bunds . . . . .	...	...	1,43,186	39,557	1,82,743
Public Works Establishment and Tools and Plant	46,330	71,260	1,34,652	8,874	2,61,116
Refunds of Revenue . . . . .	...	19	...	...	19
Total Maintenance and Repairs	1,67,950	3,83,840	7,01,779	49,039	13,02,617
Total in Public Works Department	1,67,950	4,07,627	8,21,341	1,11,795	15,06,713
Civil Establishment (collection charges)	68,657	91,764	1,81,053	696	3,42,170
Indirect charges	6,416	10,541	...	...	16,957
GRAND TOTAL	2,43,023	5,07,932	10,02,394	1,12,491	18,65,840

25. The duty of the water per cubic foot per second shown in Table VIII. shows an improvement in every case as compared with the previous year, except on the Begari and Fuleli Canals and the Imamwah. In the case of the Fuleli the figures show an increase in the area of rice cultivation from 147,282 to 160,694 acres, but this may be due to the change of system in gauging this canal, referred to in paragraph 20 of the Superintending Engineer's report. It is explained that under the former system the discharge used off the old Fuleli head was omitted, and presumably the area cultivated thereon also: now both are included. The normal rates of duty, namely 50 acres per cubic foot per second for a dry crop canal and 30 acres per cubic foot per second for a wet crop canal, seem fair for the purposes of estimating the financial prospects of future proposals for new canals. The former figure is perhaps high and the latter somewhat low.

26. This review deals with the main features of the year's operations and incidentally with the question of the clearance grant, which the remarks in the report appeared to call for.

The memorandum by the Commissioner in Sind refers to several matters affecting canal administration generally, and will be carefully enquired into and dealt with separately. With this in view the recommendation and suggestions should in the first instance be referred for the opinion and remarks of the Superintending Engineer in Sind and Examiner of Public Works Accounts.

27. Government concur with the Commissioner in Sind in the opinion that the report should in future comprise a more complete account of the operations of the year under all heads. The matter is of such importance that the fullest details should be available for criticism and as a record for future comparison. It is also imperative that there should be no discrepancies in the figures, or where such are unavoidable they should be fully explained.

28. Government are pleased to observe that the Commissioner bears testimony to the excellent work done by Mr. Lambert, the Superintending Engineer, and the officers of the Department during the year, and are further glad to notice the encomium passed on Messrs. Coghlan, Young, and Single for the condition and management of the canals in their respective districts.

29. Copies of the report and of this review should be forwarded to the Government of India and Secretary of State for India, as usual.

No. 399 of 1889.

PUBLIC WORKS DEPARTMENT.

Commissioner's Office, Camp Tharwah, 31st January 1889.

* Superintending Engineer's letter No. 3861, dated the 20th December 1888, forwarding Sind Irrigation Revenue Report for 1887-88.

* Submitted to Government.

2. The Superintending Engineer's report submitted on the 20th December 1888, reached the Commissioner on the 1st January 1889. The date of submission is three days earlier than in the previous year. Last year's report was delayed because discrepancies discovered in Canal Returns VIII and VIII-A had to be rectified, and also because the preparation of the report was new to Mr. Lambert, who had besides very heavy current work which took up most of his time. This year the delay is attributed to the non-receipt from the Examiner of—the General Revenue Accounts, the General Abstract of Financial results and other statements, and also to "the pressure of other work" in Mr. Lambert's office. The returns from the Examiner did not reach Mr. Lambert until the 7th. December and the report was not taken in hand until the 12th. The actual preparation of the report thus appears to have taken only seven or eight days, so that the responsibility for the delay, which has been the subject of telegraphic communication from Government, would appear to rest with the Examiner of Public Works Accounts.

3. The season was on the whole favorable. The inundation was somewhat irregular and deficient, but the rainfall was seasonable and the prices of produce ruled unusually high. The rain that fell in the kharif season saved crops that would have suffered from the low inundation, and throughout the rabi season heavy showers were frequent all over the province and brought to maturity a bumper rabi crop. The remissions asked for and granted were below the average of recent years, the deficiency in outturn in some localities having been counterbalanced by the high prices obtained for grain and seeds. The areas (kharif and rabi) cultivated, the realizations on account of Canal Revenue, and the remissions granted in each Canal Division during the year under report are contrasted with those of the preceding year in the following table :

Canal Divisions.	1880-87.						1887-88.						CONTRAST.					
	AREA CULTIVATED.			Total Canal Revenue (i.e., Consolidated Revenue).	Revenue taken credit for by the Irrigation Department (i.e., Water share).	Remissions.	AREA CULTIVATED.			Total Canal Revenue (i.e., Consolidated Revenue).	Revenue taken credit for by the Irrigation Department (i.e., Water share).	Remissions.	AREA CULTIVATED.			Total Canal Revenue.	Revenue taken credit for by the Irrigation Department.	Remissions.
	Kharif.	Rabi.	Acres.				Kharif.	Rabi.	Acres.				Kharif.	Rabi.	Acres.			
				Acres.	Rs.	Rs.				Acres.	Rs.	Rs.				Acres.	Rs.	Rs.
Begari	191,519	12,706	4,31,371	3,60,032	20,335	196,167	13,123	4,35,947	3,80,624	13,032	4,648	717	4,576	10,602	7,308			
Shikarpur	96,414	22,179	3,43,293	3,08,363	688	97,460	28,086	3,58,403	3,22,473	101	1,016	5,907	15,110	14,110	567			
Ghar	398,233	32,778	12,47,360	10,30,583	92,277	316,996	54,314	11,67,672	10,31,119	21,387	21,537	21,536	80,297	8,164	70,800			
Eastern Nara	102,486	30,703	2,85,098	2,56,550	43	129,197	39,918	3,51,068	3,15,502	177	25,711	9,215	65,970	59,252	134			
Hyderabad	286,077	23,485	6,70,142	6,00,052	3,418	288,523	19,141	6,85,083	6,13,847	3,031	2,416	4,314	14,941	13,795	387			
Euteli	196,373	17,803	5,27,576	4,74,182	707	210,394	26,766	5,91,151	5,29,187	3,203	13,921	8,873	63,578	54,975	2,496			
Karachi	196,646	46,134	6,19,899	5,40,837	18,971	200,579	33,093	6,06,861	5,27,269	21,066	4,233	12,441	13,036	13,568	2,085			
TOTAL	1,407,778	185,889	41,24,748	35,80,469	1,36,419	1,438,216	215,411	41,95,588	37,20,291	61,997	30,438	29,523	70,840	1,30,792	74,483			

The memorandum by the Commissioner in Sind refers to several matters affecting canal administration generally, and will be carefully enquired into and dealt with separately. With this in view the recommendation and suggestions should in the first instance be referred for the opinion and remarks of the Superintending Engineer in Sind and Examiner of Public Works Accounts.

27. Government concur with the Commissioner in Sind in the opinion that the report should in future comprise a more complete account of the operations of the year under all heads. The matter is of such importance that the fullest details should be available for criticism and as a record for future comparison. It is also imperative that there should be no discrepancies in the figures, or where such are unavoidable they should be fully explained.

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R. HOME, *Colonel, R.E.,*
Deputy Secy. to the Govt. of India.

No. 399 of 1889.

PUBLIC WORKS DEPARTMENT.

Commissioner's Office, Camp Tharwah, 31st January 1889.

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3. The season was on the whole favorable. The inundation was somewhat irregular and deficient, but the rainfall was seasonable and the prices of produce ruled unusually high. The rain that fell in the kharif season saved crops that would have suffered from the low inundation, and throughout the rabi season heavy showers were frequent all over the province and brought to maturity a bumper rabi crop. The remissions asked for and granted were below the average of recent years, the deficiency in outturn in some localities having been counterbalanced by the high prices obtained for grain and seeds. The areas (kharif and rabi) cultivated, the realizations on account of Canal Revenue, and the remissions granted in each Canal Division during the year under report are contrasted with those of the preceding year in the following table:

Canal Divisions.	1890-97.						1897-99.						CONTRAST.						
	Area cultivated.			Total Canal Revenue (Rs.), Con- solidated Revenue.	Revenue taken credit for by the Irrigation Department (i.e., Water share).	Remissions.	Area cultivated.			Total Canal Revenue.	Revenue taken credit for by the Irrigation Department.	Remissions.							
	Kharif.		Rabi.				Kharif.		Rabi.										
	Acres.	Rs.					Acres.	Rs.					Acres.	Rs.					
Begari	191,519	12,706	4,31,371	3,69,982	20,335	Rs.	Acres.	Rs.	13,032	+	4,618	+	717	+	4,576	+	10,692	-	7,908
Shikarpur	96,414	22,179	3,43,203	3,08,303	668	Rs.	Acres.	Rs.	101	+	1,016	+	5,007	+	15,110	+	14,110	-	567
Ghar	398,233	32,778	12,47,368	10,39,383	92,277	Rs.	Acres.	Rs.	21,857	-	21,537	+	21,536	-	80,297	-	8,464	-	70,890
Eastern Nara	102,196	30,703	2,85,068	2,56,550	43	Rs.	Acres.	Rs.	177	+	25,711	+	9,915	+	65,970	+	59,253	+	134
Hyderabad	286,077	23,495	6,70,112	6,00,052	3,418	Rs.	Acres.	Rs.	3,031	+	2,416	-	4,314	+	14,941	+	13,795	-	367
Fuleli	196,373	17,893	5,27,576	4,74,182	707	Rs.	Acres.	Rs.	3,205	+	13,921	+	8,873	+	63,578	+	54,975	+	2,486
Karachi	196,646	46,131	6,19,500	5,40,837	18,971	Rs.	Acres.	Rs.	21,006	+	4,233	-	12,441	-	13,038	-	13,568	+	2,035
TOTAL	1,407,778	185,888	41,24,748	35,89,409	1,36,419	Rs.	Acres.	Rs.	61,937	+	30,438	+	29,523	+	70,840	+	1,30,793	-	74,183

The principal extensions of kharif cultivation occurred on the Eastern Nara and Fuleli Canals. That on the Eastern Nara Canals is in keeping with the steady growth of cultivation observed there for some years past, and that on the Fuleli is due to the clearance of one of the tails in the Badin Taluka that restored to cultivation lands that had been swamped for some years. The increase on these canals amounts to about 40,000 acres, and that on all other canals, except on those in the Ghar Division where the extent of kharif cultivation was less by about 22,000 acres than in 1886-87, aggregates 12,343 acres. The decline of cultivation in the Ghar Division, which has been progressive for several years, is due to the vagaries of the river in the neighbourhood of the two mouths of the Ghar Canal. The chief increase of rubi cultivation (21,536 acres) occurred in the Ghar Division and is made up as follows:

	Acres.
Sukkur Canal	5,253
Ghar Canal	7,566
Western Nara	8,113
Wabar Canal	585
Bands	14
TOTAL	21,536

Of these canals the Sukkur Canal is the only one that carries a Rabi supply. Rabi cultivation on the other canals abovementioned and on most other canals in Sind is from waterings obtained during the kharif season aided by showers that almost always fall in the cold weather and by well irrigation. Well cultivation has been greatly extended in recent years, especially in the Hyderabad and Shikarpur Districts.

4. The river began to rise on the 12th May and reached on the 15th a height of 8' 7"; fluctuating slightly between the 15th and 20th, it fell a little till the 25th, when it rose again and, with one slight fall in the interval, reached 10' 5" on the 8th June. Then followed a gradual fall to 8' 4" on the 2nd July, when it began to rise once more, and finally attained its maximum height for the year (16' 7") on the 18th August.

5. It would appear from this account of the inundation that the river had risen sufficiently high in the early part of May to have afforded many of the canals their first supply; but, except in the case of a few canals, the supply in the river was not made available to cultivators till the end of the month or the early part of June. The report shows for some canals, but not for others, the dates on which they were opened. The Fuleli and Eastern Nara Canals and some others, were opened in good time. Those in the Hyderabad Canals Division were the latest of all. It appears from other correspondence that only two of these canals were opened before the end of May. The rest were opened on various dates between the 1st and 15th June, a fortnight to three weeks later than in the preceding year, and consequently lost the benefit of the first rise of the river. Water was not admitted into some of them until after the second rise had begun to subside.

6. Mr. Lambert dwells on the disheartening effect which a low inundation in June has on the cultivators in curtailing their preparations for cultivation, &c., but, from what the Commissioner has learned from reports by Collectors and seen and heard in the course of his tours, he is convinced that the loss of the first rise in the river has a still more serious effect. With the first appearance of water in the canals the people begin to bestir themselves to make preparations for cultivation and, even if the supply comes in before the time has arrived for sowing the staple crops, it is most valuable for drinking purposes and for the growth of green forage and vegetables, as well as for raising seedlings and for wetting land for the plough. There can be no doubt that the area of cultivation is diminished, and that both cultivators and the revenue suffer, when preparations for cultivation are unnecessarily and unduly delayed. Complaints by cultivators of delays in opening canals, and of calls made on them for assistance in completing clearance at times when they ought to have been working in their own fields, have not been absent in recent years.

7. All canals should be in working order by the 15th May at latest, and all ordinary clearance should be completed by the 30th April, to allow of the work done by contractors being measured up and checked before water comes in and renders exact measurement impossible. The popular view—which is very openly expressed—is that contractors in some Divisions delay clearance work in order to prevent check measurements being made by the European officers of the Public Works Department. The Commissioner expresses no opinion as to the correctness or incorrectness of this view, or as to the responsibility attaching to individual officers for delays that have occurred, but as even greater delay in opening canals occurred in 1888, and as delay has again occurred in beginning clearance in some talukas for the current season, notwithstanding the efforts that have been made to press on this work, the Commissioner considers that occasion has arisen for his bringing the subject prominently to the notice of Government.

8. The clearance of silt from canals and the repair of their embankments and heads form the chief work of the Irrigation Department in Sind, and on its due execution the agricultural prosperity of the province mainly depends. A very large quantity of such work, scattered over nearly 6,000 miles of canals, has to be done in the six months of each working season, and though it is work of a simple kind, close supervision must be exercised over it while it is in progress, because much of it is lost to sight as soon as water enters the canals, and contractors can and will scamp it unless they are well looked after. It is of great importance, therefore, that clearance should be begun early, and that Executive Engineers and their chief subordinates should be constantly on the move and exercising supervision throughout the working season. Most of the canals are dry in October, and clearance might

January; the whole time of the establishments during the first two months of the season is taken up in preparing plans and estimates, and arranging other preliminaries required by the departmental rules. The Commissioner is aware that the Superintending Engineer and other officers have done all in their power to bring about an earlier beginning of clearance in the current season, but very little improvement has resulted, and it seems scarcely possible that much more will be obtained unless the preliminaries to the execution of work are simplified. Then again, when works are in progress, Executive Engineers and Overseers are unable to devote the amount of personal attention they would wish to give to their outdoor duties of supervision and measurement, as they are constantly occupied in rendering returns and accounts and explanations to the Examiner, Public Works Accounts, the preparation of which confines them to their offices. Some special rules for canal clearance work in Sind, as regards preliminaries to the execution of work, as well as the rendering of accounts and returns of work in progress, would seem to be urgently called for. The executive work of the department would also be greatly facilitated, and the money granted for clearance and maintenance would certainly be more economically and profitably spent, if a definite programme of works to be carried out in each working season could be settled some time before the opening of the season. This is impossible under existing arrangements, as the annual grant

* Those for 1889-90, i.e., for expenditure after 31st March 1889 have not yet been announced.

for clearance and maintenance is not a fixed amount, and the Budget allotments* for expenditure in the latter part of each season are not announced until after the season has well advanced.

This subject has already been brought to the notice of Government, and the Commissioner would strongly recommend that the grant for the next five years be fixed at 9 lakhs of rupees a year, the amount which the late and present Commissioner and the late and present Superintending Engineer for Irrigation are agreed in considering essential for the ordinary clearance and maintenance of Sind canals. If a fixed annual grant cannot be conceded, the amount to be expended in each entire season should be settled and announced not later than the month of July in each year.

9. In para. 8 of his report Mr. Lambert notes with satisfaction the effect of the protective embankments in Upper Sind in improving the river supply to all canals below Sehwan. With reference to similar observations in the report for 1886-87, Government expressed a desire (paras. 8 and 9 of Government Resolution No. 18W. 1. 662 of 1888) that the subject might be further studied and investigated. The present report, however, adds little to the information previously before Government. These embankments, which line the right bank only of the river above Sehwan, were practically completed 2 years ago, and the officers of the Irrigation Department must have formed an opinion by this time of their effects on cultivation, and of their success financially. Since their completion a chain of similar embankments has been gradually extended along both banks of the river, from a point a few miles south of Hyderabad and Kotri to the Delta proper. This double line of embankments does not seem to have been built in pursuance of any definitely stated and sanctioned project, but piece by piece, and the Commissioner has not been able to find any clear exposition of the conditions affected by the undertaking or of the objects it was intended to achieve. The artificial raising of the flood level of the Indus described by Mr. Lambert extends over the part of the river wallowed-in by embankments on either side, as well as for some distance above it. The influence of the tides makes itself felt within the double line of bunds, and impedes the outflow through them of the river when in flood. The rise in the flood level brought to notice by Mr. Lambert did not apparently attract attention until after considerable progress had been made in the Lower Sind embankments, and may very likely be connected with their construction. It seems to the Commissioner that there may possibly be danger here in years of excessive inundation, or on the occurrence of cyclones or unusually high tides during the inundation season, of some disastrous accident like that which happened on the Mississippi under somewhat similar conditions a few years ago. The embankments on both sides of the river have been breached in almost every year since they were built, although as yet they have been subjected to the pressure of only moderate inundations. They have lately been raised to a height above that of the original design, and the level of the floods held between them must now frequently rise to several feet above that of the surrounding country. In this connexion, the Commissioner invites attention to remarks made by Mr. Lambert in para. 79 of this year's report, as follows:—"although considerable sums have been expended on these embankments during the last few years, their relative strength has not been increased, as the highest level of the river has been yearly rising and almost outstripping the improvements to the bunds." There has been no unusual flood in the Indus since the Upper Sind embankments were completed. The lands on the unprotected left bank have enjoyed equal immunity from destructive floods with those on the right bank since 1880, while the lands on both banks were flood-swept several times between 1874 and 1880, and similar floods may again occur in any year.

10. As regards the effect of the Upper Sind embankments on cultivation between Kashmir and Sehwan, the cultivation affected is that of (a) the whole of the Upper Sind Frontier District; (b) the Sukkur, Larkana, and Mehar Sub-divisions of the Shikarpur District; (c) the Dadu, Johi and Sehwan Talukas of the Karachi District. It must be remembered that

† The greater part of the cultivation on the left bank of the river in the Shikarpur District (the Rohri Sub-division) is on lands watered by floods. The revenue collected in these talukas exceeds 5

floods that caused extensive damage have never been of very frequent occurrence, and that the action of all floods is beneficial to the extent to which they may water lands not supplied by canals, and

in the lower reaches of canals. Before the embankments were made the spill from the river wetted lands for kharif cultivation, and filled shallow depressions that were cultivated with rabi crops when the water dried up, as well as deeper depressions that fed the tails of canals, besides giving a direct supply that was lifted on to lands for rabi cultivation and providing large stretches of good grazing. This spill is now completely shut out from Kashmir to Sehwan, and the only water that the protected lands regularly receive is the canal supply, which, except in the Upper Sind Frontier District, is no larger now than it was before the embankments were built. The natural consequence is a vast diminution of the grazing area, as well as of the supply to lands that formerly were cultivated on flood water and to the lower reaches of main canals and their branches, and a general drying up of the lands within the protected area.

11. The heavy floods that did the greatest amount of damage to kharif cultivation and threatened the North-Western Railway and the Military Cantonment at Jacobabad swept in through the Upper Sind Frontier District. The Kashmir and Begari Bunds that were built to exclude them were the first Bunds built, and there can be no question as to their usefulness. They have of course shut out water that was useful along with that which did damage, but the canal supply of the Upper Sind Frontier District has been considerably increased since they were constructed and the result in that district of the twofold improvement is a large increase in the cultivated area. The Shahdadpur Taluka, watered by the tails of the Begari and Ghar Canals, is the only part of the District in which the supply is now deficient. The case as regards the protected area of the Shikarpur and Karachi Districts is quite different. Here there has been no increase of canal-supply since the flood-waters were shut out by embankments. The effect of their construction is illustrated in the following statement, which shows the areas under cultivation in the protected talukas of the Shikarpur District in each year since 1873-74, and the average cultivation for the 6 years before, and for the 9 years after, the completion of the embankments.

No.	Year.	Kharif.		Rabi.		Total.		Remissions.		Net Revenue Realizations.		Remarks.		
		A.	G.	A.	G.	A.	G.							
1	1873-74	420,337	27	117,888	9	538,225	36	1,10,238	15	1	12,36,064	4	7	
2	1874-75	467,757	31	174,227	30	641,985	21	2,41,818	11	10	11,58,089	10	11	Flood year.
3	1875-76	398,267	27	132,331	9	530,598	36	31,991	9	5	12,20,861	13	11	
4	1876-77	450,918	19	232,801	33	682,910	12	2,13,937	11	10	11,73,289	3	2	Flood year.
5	1877-78	349,882	9	123,757	16	473,639	25	1,470	7	0	12,09,898	5	8	
6	1878-79	482,454	32	217,204	7	720,658	33	35	8	0	11,76,791	7	7	Flood year.
TOTAL .		2,568,718	28	1,028,300	21	3,597,019	12	5,99,992	15	2	71,74,993	13	10	
Average for six years.		428,119	31	171,383	17	599,503	8	99,998	13	2	12,45,832	5	0	
7	1879-80	357,434	8	134,358	9	491,792	17	5,858	10	0	12,51,567	2	6	
8	1880-81	419,240	27	81,696	13	500,937	0	14,271	7	0	12,67,729	0	0	
9	1881-82	Details not obtainable.				559,607	37	10,082	5	0	16,16,109	10	0	
10	1882-83	Ditto.				619,654	10	71,105	1	0	18,39,313	4	0	Floods in the Shikarpur District consequent on the bursting of the embankment at the Rahnja mouth of the Sukkur Canal.
11	1883-84	Ditto.				460,267	8	22,593	12	0	16,18,252	5	0	
12	1884-85	419,062	2	125,575	0	544,637	2	26,370	10	6	18,41,526	1	6	
13	1885-86	391,402	7	94,596	18	485,998	25	1,15,211	11	0	15,91,506	0	0	
14	1886-87	427,149	32	85,743	24	512,893	16	96,043	5	0	16,17,341	9	0	
15	1887-88	385,824	22	106,371	7	492,195	29	18,620	14	0	15,71,747	2	0	
TOTAL .		2,400,113	18	628,330	31	3,028,443	24	3,80,157	11	6	61,42,15,093	3	0	
Average for 9 years total cultivation.		...	...	...	...	519,663	29	42,239	11	11	15,79,451	12	10	
Do. 6 years Kharif and Rabi.		4,00,018	36	104,722	0	...	...	...	...	...	...	...	...

12. It will be observed that the total cultivation has fallen from an average of 590,508 acres for the 6 years ending 1878-79 to one of 519,668 acres for the 9 years ending 1887-88; and that kharif cultivation has diminished by 28,100 acres and rabi cultivation by 66,661* acres for the same periods. The actual diminution of cultivation is probably greater than that shown by these figures, for the reason that under the settlements in force in the earlier years

* The discrepancy between the figures showing total cultivation and those showing kharif and rabi cultivation separately arises from the circumstance that details are wanting of kharif and rabi cultivation for three of the series of years to which the total cultivation figures relate.

of the series, assessment was levied only on areas actually cultivated as ascertained by annual inspection and measurement; whereas, under the settlements recently introduced, whenever any portion of a survey number is cultivated the entire number is entered as cultivated and assessment is levied accordingly. The figures in the statement show areas assessed throughout. As might be expected, the contraction in rabi cultivation is much greater than in kharif cultivation, and it would have been greater than it has been were it not for the large number of wells that have been dug in recent years to supplement the canal supply. The decrease in the area cultivated, again, does not fully represent the losses suffered by cultivators, as the outturn of many fields on which assessment has been paid has been seriously diminished by the insufficiency of the available water-supply. Figures have been added to the statement showing the amounts remitted and the net revenue collected in each year of the series. The remissions granted since the embankments were built show a decrease averaging about Rs. 58,000 a year, and the net revenue realizations have increased by nearly Rs. 3,34,000 a year, notwithstanding the contraction of the cultivated area. The increased realizations are almost entirely due to changes in the settlements and rates of assessment levied, introduced during the last 10 years.

13. Cultivation returns for the three northern talukas of the Karachi District, which now depends mainly upon the lower half of the Western Nara, will be submitted separately. The results of the shutting out of the floods from these talukas are similar to those above shown for the Shikarpur District. The same cause has operated to diminish the supply in the Manchar Lake, where cultivation has decreased seriously, especially in the last two years.

14. Throughout the whole of the protected area in the Shikarpur and Karachi Districts the supply towards the tails of all main canals and branches is altogether insufficient, and a general displacement and transfer of cultivation has taken place. The water-supply is now used up on lands lying on the upper reaches of main canals and branches, where, since protection has been afforded by the embankments, cultivation has increased. The zamindars holding lands on the lower reaches of canals have suffered greatly, and there is urgent need for expenditure to restore to them the water-supply that they have lost. This displacement of cultivation is a serious matter. In some cases, but not in all, it has arisen from causes beyond administrative control. The Revenue Department and the Irrigational Department share responsibility for allowing landholders on the upper reaches of canals to use for the extension of their own cultivation water that properly belongs to lands lower down the canals. Many instances have come to the Commissioner's notice in which cultivators have been deprived, as it seems to him unfairly, of their customary water-supply, through the extension of cultivation, or the substitution of rice for dry crop cultivation, on land higher up the canals. The attention of Collectors and Executive Engineers has been called to this subject. The rules under the irrigational settlements, which permit zamindars to cultivate without restriction rice or any other crop they please, are partly in fault and will be amended. Under former settlements landholders were not allowed to extend their rice cultivation without permission and it will be necessary to restore the old rule, or to enforce some equivalent precaution.

15. The statement in para. 11 above shows that 80,000 acres in Shikarpur, now barren, were cultivated 10 years ago. To this must be added the area thrown out of cultivation in the Karachi District. The contraction of cultivation in the Shikarpur and Karachi Districts, and in the Shahdadpur Taluka, which was transferred a few years ago from Shikarpur to the Upper Sind Frontier District, that has followed the construction of the Upper Sind embankments does not fall far short of 100,000 acres, and there can be no doubt that the resident population can cultivate quite as much land now as it did before 1880. The wealth and resources of the whole province, and especially of Upper Sind, have been greatly augmented by the large Government expenditure on supplies for the Afghan campaigns, and at Quetta, and on railway works in Sind and Baluchistan, while the growth of well cultivation and the high prices now obtainable for land with a canal supply show how eager the people are to extend cultivation. The average assessment on canal lands in the tract referred to may be taken at between 3 and 4 rupees per acre, so that Government will be quite safe in expending 50 lakhs of rupees, or more if necessary, in improving its water-supply. The Commissioner does not think that any improvement of existing canals will suffice to give with constancy the additional supply required, because these canals draw water from a part of the river that is always shifting; their heads are eroded in one year and in another obstructed by silt deposits thrown in front of them, and the discharge through them is always precarious. He would strongly recommend Government to take into immediate consideration the construction of a large supply channel taking off from the river above Sukkur, where its course is more permanently established than in any other locality, to feed the whole system of Ghar Canals, and if practicable those of the Western Nara also. Great part of the supply in the Sukkur Canal is now used up on the lands near the river, and the scheme should embrace the feeding of the tails of that canal. There is a very much better chance of a permanently profitable investment here than in the construction of new feeders to the Ghar and Western Nara drawing their

river supply from any place below Sukkur. The supply of any new feeders constructed there will be just as precarious and unreliable as that of the present channels feeding the Ghar and Western Nara Canals.

16. As regards the effect of the embankments on cultivation *below* Sehwan. Although the rise in the inundation level noticed by Mr. Lambert has raised the head of water in all canals below that town, no great increase of cultivation has taken place upon them as yet. In the Hyderabad District there is every prospect of a very large increase after the completion of improvements to canals in the Hyderabad and Fuleli Canals Divisions of which a beginning has now been made, but there is no such prospect in the Karachi District, on account of the scantiness of the population and the unhealthiness of the Delta Talukas.

17. Speaking of the embankments generally, the Kashmor and Begari Bunds, and those for some distances below Sukkur, as well as others protecting particular points on the river, are no doubt works of the greatest utility; but the question whether it is safe and otherwise expedient to maintain a continuous chain of embankments along the whole course of the river through Sind would seem to need very careful investigation. The fact that this work has been carried out without sufficient examination of all the conditions involved has already been noticed. The Fuleli Canals and those in the Karachi District were not designed or constructed to carry the additional head of water forced into them by the rise in the flood-level of the river brought about by the construction of the embankments, and large expenditure will yet have to be incurred in raising and strengthening their banks, and in providing drainage channels and escapes for the outflow of their surplus waters, as well as on strengthening the river embankments, if the present head of water is maintained in the river. The remarks made in paras. 79 and 80 of Mr. Lambert's report regarding the flooding of the Delta Talukas and the need for strengthening the banks of the Baghar Canal and for additions to the river embankments should be read in this connexion.

18. The average expenditure on river embankments during the last 6 years, as shown in para. 14 of Mr. Lambert's report, exclusive of the cost of supervising establishments, and the interest on the original cost of construction, has amounted to Rs. 1,90,000 a year. The heavy outlay on their maintenance has necessitated a corresponding curtailment of expenditure on the clearance and repair of canals, and is one of the causes of the unsatisfactory condition of the canals of the Hyderabad District. The charges on account of *abkalani* establishment employed on these embankments are enormous and have been increasing, although apparently they ought to have been reduced as embankments constructed in the earlier years became consolidated. The Commissioner is inclined to the opinion that the embanking of the river generally has been overdone and specially so in Lower Sind, and that the question of the maintenance of the embankments in the Delta Talukas should be considered not merely with reference to their own cost and the risks attendant on them, but also with reference to the expenditure on improvements to canals and drainage that their maintenance will necessitate and the revenue results that the entire expenditure may be expected to produce. The Upper Sind embankments should also be examined, and, if practicable, regulators should be built in them to admit spill-water from the river at places where it can be profitably utilised for grazing and rabi cultivation. Some of the depressions through which flood-water used to enter in former years might apparently be put to good account in this manner.

19. With reference to the remarks in para. 6 of Mr. Lambert's report regarding the grant of remissions, it should be stated that remissions are never granted when a cultivator who has only sufficient water to grow a dry crop—bajri or juari for instance—speculates and tries to grow rice, or any other crop that requires a superior supply. They are only granted in cases in which cultivation reasonably attempted has failed through insufficiency of the water-supply or has been injured by floods or other causes beyond the cultivator's control.

20. The figures given in paras. 7 and 8 of Mr. Lambert's report are for the financial year ending March 31st, and on that date, as explained in para. 5 of the Commissioner's forwarding remarks on the report for 1886-87, several instalments remain to be received. The collections on account of *kakaba* in the revenue year show an increase of Rs. 4291-4-11 over those of the previous year. The miscellaneous revenue is collected by the Revenue Department direct, and by the *Mukhtyarkars* on the requisition of the Executive Engineers. The decrease is mostly in the Eastern Nara and Fuleli Divisions and is principally due to decreased receipts from farms of fisheries in canals and dhands. The following statement shows the state of outstanding balances at the end of the revenue year 1887-88 as contrasted with those of the previous year:

No.	District.	Outstanding balances of last year 1886-87. (i.e., 1st August 1887).	REVENUE FOR 1887-88.			Total Revenue for collection (i.e., total of Columns 3 and 6).	Total Collections.	Outstanding Balances on 1st August 1888.	Remarks.
			Gross Revenue.	Deduct Remissions.	Net Revenue for Collection.				
1	2	3	4	5	6	7	8	9	10
		<i>Rs. a. p.</i>	<i>Rs. a. p.</i>	<i>Rs. a. p.</i>	<i>Rs. a. p.</i>	<i>Rs. a. p.</i>	<i>Rs. a. p.</i>	<i>Rs. a. p.</i>	
1	Kalat Territory	52,475 6 0	64,083 7 4	1,255 0 0	62,828 7 4	1,15,903 13 4	82,052 7 11	33,251 5 5	
2	Upper Sind Frontier	114 15 0	414 5 0	.....	414 5 0	529 4 0	425 5 0	103 15 0	
3	Shikarpur	353 6 0	12,467 0 0	.....	12,467 0 0	12,820 6 0	12,809 5 0	11 1 0	
4	Hyderabad	236 4 6	34,109 10 0	.....	34,109 10 0	34,345 14 6	34,241 15 6	103 15 0	
5	Karachi	117 0 0	6,446 12 0	.....	6,446 12 0	6,563 12 0	6,468 9 0	95 3 0	
6	Thar and Parker	.....	636 0 0	.....	636 0 0	636 9 0	636 0 0	.....
	TOTAL	53,206 15 6	1,18,157 2 4	1,255 0 0	1,16,902 2 4	1,70,199 1 10	1,36,633 10 5	33,565 7 5	
	Revenue for 1886-87	87,109 6 0	1,23,642 0 0	169 13 0	1,23,472 3 0	1,55,639 5 0	1,32,342 5 6	53,296 15 6	
	Deduct amount written off as irrecoverable in Kalat territory	21,942 4 0							
	Net amount	62,167 2 0							
	Increase	.....	.....	1,085 3 0	.....	.....	4,291 4 11	.....
	Decrease	8,870 2 6	5,481 13 8	.....	6,570 0 8	15,440 3 2	.....	19,791 8 1	

* Decrease owing to decreased revenue (Rs. 2,841-0-8) from lands in Kalat territory, the arrangements regarding which are not in the hands of the revenue officers in Sind, and to decreased revenue in the Hyderabad and Karachi Districts, owing to lapse of and less cultivation in jagire.

The outstanding balances are chiefly an account of hakaba on lands in Kalat territory. The Government of Bombay referred to this subject in para. 15 of their Resolution No. 48 W. I. 622 of 27th March 1888, and the Government of India in their Resolution No. 96 L, dated 22nd May 1888, remarked that "matters connected with Irrigation Revenue and Remissions" were not in a satisfactory condition in Kalat territory. See also correspondence ending with this office No. 3244 of 12th September 1888.

21. The Commissioner fails to follow Mr. Lambert in the remarks made in the 9th para. of the report regarding the two classes of political pensioners. It is hardly correct to speak of the Jagirdars of Sind as "Imperial Pensioners." A few of them received jagirs in lieu of pensions after the conquest, but the majority of them are properly speaking privileged landholders; and in some cases they or their predecessors in title originally excavated canals now controlled by the Irrigation Department and were in possession of their estates and water-supply before Sind became a British province. In such cases it would be by no means easy to make the adjustments suggested; still, the Commissioner has no doubt that in some instances, notably in the case of jagirs in the Hyderabad District, additional contributions in the shape of enhanced hakaba may be possible, and this subject is engaging his attention.

22. The balances reported in Mr. Lambert's para. 11 agree with those given by the Collectors and Deputy Commissioners as outstanding at the end of the revenue year. In the Upper Sind Frontier District postponements were granted in the Shadadpur Taluka on account of deficient water-supply, and there is a disputed item due by Mazari Chiefs residing in the Dera Gazi Khan District of the Punjab, who refuse to pay until the terms on which they are to be allowed to hold land on the Frontier of Upper Sind are settled. This matter is before Government. In Karachi, postponements were granted by the Collector up to December 1888 and April 1889, owing to failure of crops, and there are some items due by the Manager, Incumbered Estates. In Shikarpur and Hyderabad the balances are due principally by the Manager, Incumbered Estates.

23. The diminution in remissions granted, reported by Mr. Lambert in para. 12, is very satisfactory. The largest remissions for the year occurred in the Begari, Ghar, and Karachi Divisions. Those in the two former were mainly due to insufficiency of water-supply in the tails of the canals, and those in the Karachi District to breaching of the river embankments.

24. The Commissioner considers it unnecessary to follow Mr. Lambert in his detailed observations on the working of the various canals, but he will state his opinion on this subject generally, as well as with respect to several details noticed by the Superintending Engineer on which comment seems desirable. The canals in the Upper Sind Frontier District are in good order, and do the full work required of them, except in the Shadadpur Taluka, the irrigation of which is to be transferred from the Begari to the Sukkur Canal when the improvements suggested for the latter are carried out. The same may be said of the Eastern Nara Canal. The condition and management of the canals in these two divisions reflects, in the Commissioner's opinion, very great credit on the Executive Engineers who have long held charge of them, Messrs. J. A. Coghlan, and J. Yonag. An additional water-supply for part of the Upper Sind Frontier District is immediately available if the head regulator on the Sind Dora (where it passes through the Kashmir Bund) is worked. Inquiries are being made with a view to the early utilisation of this supply, if practicable. The few canals in the Shikarpur Division are in fair order, and the irrigational condition of the division is creditable to Mr. Single, the Executive Engineer in charge, though undue delay occurred in opening the canals in the year under report. The canals in the Ghar Division, excepting the Sukkur Canal, have not worked well for some years, owing to constant changes in the river. They also were not opened soon enough in the year under report. The supply they carry is quite insufficient to meet the present requirements of cultivation. An increase in the rabi supply admitted into the Sukkur Canal is very desirable, and apparently might be provided at very moderate cost by increasing the discharge capacity of the regulator. The deficient supply in some branches of the Ghar has been supplemented at different times by cutting feeders to them from the Western Nara. This abstraction of water from the Nara has of course reduced the supply in the lower part of that canal, and has caused a contraction of profitable cultivation in the Karachi District, causing loss and hardship to zamindars who had a better claim to the supply. The Commissioner entirely agrees with Mr. Lambert as to the expediency of placing the whole of the Western Nara under the charge of a single Executive Engineer.

25. The canals of the Hyderabad District, speaking generally, are not in a satisfactory state. Those in the Hyderabad Canals Division are low-level "lift" canals, and sufficient attention has not been paid to them for some years. Few, if any of them, have been cleared to their bed stones or to their full width, and the heads of some of them are in bad order. The expenditure made on them from the clearance grant for the last five years is shown in

Years.	Clearance.	Repairs.	Establishments.
1882-83	1,20,914	11,210	18,487
1883-84	1,16,416	9,738	29,048
1884-85	93,600	20,027	31,361
1885-86	74,349	20,724	21,870
1886-87	77,344	21,326	35,719

the margin. It will be noticed that the expenditure on clearance has materially decreased year by year, while that on establishments has increased from Rs. 18,487 in 1882-83 to Rs. 35,719 in 1886-87. The charges under the head "Repairs" relate mainly to "jungle cutting," which is work of a very unprofitable nature and might well be postponed when money is wanted for silt

clearance. The charges for jungle cutting have been unusually heavy in this division, and they, as well as establishment charges, ought to be reduced considerably. There is great need for increased expenditure on these canals. They seem to have been viewed with disfavor by the Irrigation Department, because they are "lift" canals and their returns per acre irrigated are lower than those of "flow" canals; but the population cultivating from them is as industrious, and the cultivation is as good, as any in the province. The cotton grown in this division is the best in Sind. There is no lack of resident population, and any amount of additional labour wanted can be obtained from Jeysumir and Jodhpur, from which States a considerable immigration has already set in to the lands under the Eastern Nara Canals. The only thing necessary to lead to a large extension of cultivation here is improvement of the existing canals. Until this is effected, no good use will be made of the improved river-supply that is now available to them. The need for improvement is greatest in the Sakrand, Shahdadpur, Hala, and Tando Allahyar Talukas, where cultivation has fallen off. Small improvements made last season at the Collector's instance in the Naushalro Sub-division produced very good results and paid for themselves at once. The Executive Engineer in charge of this Division and most of his chief subordinates live in Hyderabad, outside its limits and at a long distance from their work. The Commissioner thinks that the Executive Engineer's head-quarters should be transferred from Hyderabad to Daulatpur, where a good bungalow is available, or to some other place in the centre of the Division.

26. The present water-supply in the Fuleli is perhaps the finest in the province, and after it has been brought under control by improvements now begun and the lands towards the tails of the canals have been reclaimed by clearing the silted up drainage channels, a very large expansion of cultivation and of revenue will be apparent. For several years previous to the year under report the clearances on the Fuleli Canals were altogether insufficient and many zamindars have suffered very severely from the swamping of their lands by the recurring overflow of canals whose heads and tails were blocked with silt. It will be necessary for some time to come to devote a considerable share of the clearance grants to the canals in the Fuleli and Hyderabad Canals Divisions to make up for deficient expenditure on clearance in the past. Expenditure is also required to fit the Fuleli Canals to carry the increased volume of water now poured into them and for the construction of regulators to distribute the supply. Government have recently allotted funds for the construction of a regulator at the head of the Fuleli main canal, and the Commissioner trusts that they will make further grants for the provision of additional regulators and other improvements needed, as he is satisfied that the expenditure will be immediately profitable in a marked degree. Money for these works cannot be spared from the grants for maintenance and repairs and the cost of their execution would not form a proper charge against those grants. A well digested project for the gradual improvement of the Fuleli Canals to suit the changed condition of their river supply should be drawn up and submitted for sanction after full consideration of all the conditions to be served, and each approved work should be executed in the order of its importance as decided on in consultation with the Revenue officers. The total expenditure, ordinary and special, on these accounts will amount to several lakhs of rupees, and it should be made under proper sanction and systematically. Clever men and capitalists of Hyderabad have grasped the situation and have acquired rights to water in favourable positions high up the canals which should not be extended beyond their just limits. There will be many claimants to the improved supply, and the claims of those zamindars whose lands have been flooded and thrown out of cultivation by no fault of their own should receive the first consideration. Special attention should be paid by the Executive Engineer and the Collector, whilst the improvements are in progress, to the private watercourses through which water is drawn from the canals. Reference is made to this subject in another sense in para. 74 of the Superintending Engineer's report. Since the canals have fallen into their present surcharged condition, the Irrigation officers have encouraged landholders to enlarge the heads of their watercourses and to keep them constantly open and to allow water to flow continuously over rice crops and to make new openings to lead water on to uncultivated lands, in order to reduce the pressure on the canal banks and prevent their breaching. All these watercourses have been shown in the maps prepared by the Survey Department for the settlements just made in the Fuleli Talukas, and unless the matter is taken in hand and dealt with promptly, unfounded claims to water-supply and complications are likely to ensue hereafter. It is very desirable that the number of private watercourses should be reduced, as also the dimensions of the heads of many of them. The Collector and the Executive Engineer should do all in their power to encourage zamindars to build masonry heads to them, and the Collector should grant loans freely for this purpose. Another matter connected with the Fuleli water-supply that requires attention is the use made of it on jagir lands and the hakabo paid for it. There are large jagirs on the Fuleli and the jagirdars use more water than they pay for. They are only required under the Hakabo Rules to pay for water irrigating cultivated land, and they pay nothing for land wetted but not cultivated. The cultivated area is ascertained each year, and Rs. 1 per acre is charged for the water-supply. Their cultivators let water flow continuously over their rice fields whenever they can get it, for the sake of the silt that falls and fertilizes the soil, and the surplus water is led off on to low-lying lands that grow grass and other useful products. The jagirdars should be required to build regulators at the heads of all their canals which should be worked under the orders of the Executive Engineer, and those who use a continuous supply for rice cultivation should pay a higher rate of hakabo and something should also be charged for water used on lands that are not cultivated.

27. The question of levying some payment for the use of Fuleli water irrigating zamindari and unoccupied grazing lands has been noticed by Government, and the subject has received attention from the Collector of Hyderabad and the Commissioner. Most of these lands are in the flooded portions of the Tando Bago, Badin and Guni Talukas, and many of them were formerly cultivated and will be cultivated again when the canals are put in order. Colonel Trevor is averse to the levy of grazing fees at present, on account of the impoverished state of the cultivators who own many of the cattle and the hardships that they and the zamindars have suffered by the flooding of their lands, and the Commissioner agrees with him to a certain extent. But the question should soon now be taken up in earnest, as the *Haris* (labouring cultivators) are becoming demoralized and inclined to neglect cultivation for breeding and grazing milch cattle, which affords a very easy means of livelihood when grazing is free.

28. The condition of the canals in the Karachi District may be described as good in the Delta Talukas and unsatisfactory in the talukas above Manjhand. Clearance has been neglected on the Western Nara, as shown in para. 77 of Mr. Lambert's report; but the silting of the Aral and other canals connected with the Manchar Lake is due to causes practically beyond control. A very large expenditure has been incurred on canals and river embankments in the Karachi District for some years past, but the results obtained have been altogether incommensurate with the outlay, as is shown by the figures given in para. 81 of the report. The bulk of the money has been spent for the benefit of the Delta Talukas, whose population is scanty and thinned by fever and frequent outbreaks of cholera and other epidemic disease. The average charges against the canal revenue of these talukas for the last five years probably exceed 80 per cent. of the receipts, and there is no reasonable expectation, in the Commissioner's opinion, of any large increase of cultivation occurring in them even if expenditure at the present rate is continued. Drainage works are now talked of, and their construction would doubtless tend to improve cultivation and probably the sanitary condition also, but their cost will be considerable. These talukas would probably have returned a much larger net revenue than they do at present, if they had been treated in the same way as the Rohri Sub-division and left to depend mainly on spill-water for their irrigation. The whole position in these talukas as regards present and prospective expenditure and realizations and the risks run in the attempt to retain the river floods at a high level between the double line of embankments referred to in paras. 9 and 17 above needs careful examination, and the Commissioner thinks that the Superintending Engineer should be called on for a full report on the subject. If expenditure in these talukas can be curtailed, the money set loose can certainly be expended much more profitably elsewhere.

29. The question raised in para. 38 of the report regarding the assessment of dubari cultivation on the Sukkur Canal is under consideration. There is a difference of opinion as to the facts of the case, and as to the remedy to be applied. It appears that the greater part of the 18,318 acres reported by the Superintending Engineer as cultivated with both kharif and rabi crops was irrigated in the kharif season only, and received none of the rabi supply; much of it is rice land on which a second crop was raised on the moisture remaining in the soil after the rice crop was harvested. For such poor rabi cultivation as this the rate settled by Mr. Erskine is probably as sufficient in the case of the Sukkur Canal as Mr. Lambert admits it to be for other canals. For lands for which both kharif and rabi supply is taken the rate is certainly insufficient, and the question pending settlement is as to the treatment of such twice-watered lands. The Commissioner is inclined to think that the best immediate solution is to refuse a rabi supply to lands cultivated with kharif crops, as both the kharif and the rabi supply at present available in the canal are insufficient to meet the whole demand for water, and what there is ought to be distributed as evenly as possible. Mr. Lambert has not noticed the extent of the rabi supply discharged through the Sukkur Canal or the area that it sufficed to irrigate.

30. Rice cultivation on the Ghar Canals, to which reference is made in paras. 39

	Rice.	Juari.
1878-79 . . .	151,127	21,818
1879-80 . . .	157,496	10,808
1880-81 . . .	170,342	21,548
1881-82 . . .	133,124	34,833
1882-83 . . .	116,638	49,807
1883-84 . . .	145,617	13,568
1884-85 . . .	153,148	20,752
1885-86 . . .	141,787	11,232
1886-87 . . .	128,889	28,230
1887-88 . . .	44,539	81,083

and 41 of the report, has fallen off considerably in the last few years, and in the year under report jauari was largely cultivated on rice lands. The areas under rice and jauari respectively in each of the last 10 years are shown in the margin. In the Larkana Taluka, where the revised settlement is still in force, the insufficiency of the canal supply has pressed heavily on zamindars holding lands assessed at rice rates, who have had to choose between leaving their fields uncultivated and growing inferior crops. If the jauari crop had not been an unusually good one, and if prices of produce had not ruled at exceptionally high rates, in the year under report, the remissions on these lands would have been heavy.

31. The special clearance on the Gul Mahamedwah branch of the Western Nara, noticed in para. 43 of the report, led to new cultivation on lands commanded by the Ghar. The revenue thus obtained in the Shikarpur District was realized at the cost of the Karachi District, and the diversion of the water-supply was unfair to landholders on the lower part of the Western Nara Canal, who were deprived of water to which they had a distinctly prior claim. Another and larger diversion of water from Nara to Ghar lands has resulted from special clearances in the Artharwah, begun in the year under report and finished before the inundation of 1888. The Artharwah is a branch of the Western Nara, and the special clearances, on

32. The results reported by Mr. Lambert in para. 48 for the Eastern Nara Canals are most satisfactory and encouraging. The Commissioner understands that the water drawn from the river through the existing supply channel at Rohri is now doing nearly all the duty that can be got out of it, and that some expansion of the river supply will very soon become necessary. A branch taking off from the Jamrao Dhand to water the eastern part of the Sukrand and Shahdadpur talukas of Hyderabad is very much wanted, and would pay as well as any of the canals of the system. Part of this tract was watered from the Nara some years ago, but the supply was cut off when the works for the new canals were undertaken. There is every prospect of a large increase of cultivation and of revenue in the Nara Valley, and no want of labour for cultivation. The great want of the district is railway communication with Hyderabad, in order to give its cultivators a good market for their produce. A project for a cheap feeder-line from the Nara river to the North-Western Railway is before Government.

34. The project for a new feeder to the lower part of the Western Nara, referred to in para. 77 of the report, has been submitted to Government, with a recommendation that the condition of the whole canal should be thoroughly investigated before decision is come to regarding the steps to be taken for improving its supply. The examination on which the project is based extended only to that part of the canal which is in the Karachi District.

36. The present report, following the scheme of former reports, contains full information regarding the revenue results obtained in each Canal Division, but few details regarding the progress of cultivation. Fluctuations in revenue collections are dependent in great measure

working of canals cannot safely be founded on a consideration of their revenue returns alone. It seems desirable that in future reports cultivation returns for each Canal Division, and for each important canal, should be added for the same series of years for which revenue figures are given. The following form is suggested as convenient for the cultivation returns :

[illegible]

37. It is desirable also that a clear and comprehensive account should be given in these reports, or separately, of the manner in which the grants for maintenance and repairs and for

extensions and improvements are applied and expended. The average expenditure under these heads of the last 6 years, as shown in para. 13 of the report, has amounted to more than Rs. 11,00,000 a year, but the only information published regarding it is that contained in the brief summary given in the General Administration Report prepared in the Public Works Secretariat. The Superintending Engineer should give an account of his stewardship, and the operations of the Department should be laid open to examination and criticism.

38. The grants made, large as they are, are admittedly insufficient to allow of the simultaneous execution of every desirable improvement. The money available must be spent economically, and it is most necessary that canals should be cleared to their full depth and width, that their banks should be repaired, and that their heads should be put into the best working order possible, before expenditure is devoted to other work of less immediate utility. If this principle is to be observed, a clear account of work executed and expenditure made must be rendered. Each canal has its sanctioned section, and its condition with reference to that section should be reported yearly and explanations should be given of deviations from the standard. A full description of the work executed in each Canal Division should be given, and the expenditure incurred should be classified under some such heads as the following :

- (1) Silt clearance.
- (2) Repairs to canal embankments.
- (3) Clearance and improvement of canal heads.
- (4) Jungle-cutting and removing fallen trees.
- (5) Inspection path-ways along the sides of canals.
- (6) Construction and repairs of inspection bungalows.
- (7) Construction and repairs of canal chowkies and tool-houses.
- (8) Regulators and sluices.
- (9) Sloping canal banks and cutting of angles.
- (10) Establishments charged against works. The expenditure under this head should be shown in clear detail—the rates of pay allowed, the number of men employed at each rate, the periods of their employment, and the manner of their employment, should be stated and increases and decreases should be shown and accounted for.

Corresponding details should be given regarding expenditure on river embankments in each Canal Division. It will then be possible to contrast the expenditure made in the several divisions and to compare it with the results obtained. Good management or the reverse on the part of the Divisional Officers will be apparent and improvements effected in one division may be extended to others.

39. Some figures of expenditure are given in paras. 13 and 14 of Mr. Lambert's report, but they are not in sufficient detail for administrative or critical purposes, and while they nominally show the expenditure on "Establishments" separately from that on "Works," they do not show the actual outlay under either head. The E-establishment charges entered are only those on account of the Permanent Establishment of Executive Engineers, Supervisors, Overseers, Clerks, &c., &c., but other large charges are also incurred on account of Establishments and are included under the head "Works." The following statement exhibits the actual outlay on Works and on Establishments respectively for five of the years treated by Mr. Lambert. Figures for the years 1881-82 and 1887-88 are not in the Commissioner's possession :

Year.	Works.	ESTABLISHMENT.			Total expenditure.
		Permanent.	Charged against works.	Total.	
1882-83	6,47,604	2,22,036	2,21,387	4,43,423	10,91,027
1883-84	6,42,586	2,14,128	2,36,230	4,50,358	10,92,944
1884-85	6,10,523	2,13,717	2,43,234	4,56,951	10,67,474
1885-86	5,72,872	2,48,524	2,58,276	5,06,800	10,79,672
1886-87	5,54,157	2,71,930	2,73,765	5,45,695	10,99,852
TOTAL	30,27,742	11,70,335	12,32,892	24,03,227	54,30,969
Average	6,05,548	2,34,067	2,46,578	4,80,645	10,86,193

The establishment charges thus amounted to 79 per cent. on the outlay for works and, considering that much of the work done was earth excavation and embankment executed under contract, they appear enormous, after making allowance for the *abkalani* establishments employed

during the inundation season to watch embankments. It will be observed that while the outlay on works has steadily diminished from Rs. 6,47,604 in 1882-83 to Rs. 5,54,167 in 1886-87, that on establishment has progressed year by year from Rs. 4,48,423 to Rs. 5,45,695. Other instances brought to notice in the foregoing remarks indicate that there is room for improvement in the application of the Maintenance and Repairs grants, and the Commissioner thinks that cause has been shown for the submission of a more detailed account of the administration and expenditure of the Department than has hitherto been supplied. The Revenue officers, who are in the best position to ascertain and represent the wants of the people in the matter of water-supply and are responsible for the working of the revenue settlements the maintenance of which depends on irrigation should have a greater voice than has been allowed them in directing the expenditure of the maintenance grants. The work to be executed in each season should be settled in consultation between the Revenue and Irrigation officers and the programme settled on should be carried out.

40. A large share of the maintenance grants has been devoted for the last 10 years to the protective embankments along the river, and the Commissioner concurs in the opinion expressed in para. 14 of the report as to the advantage of setting free a portion of that outlay for expenditure on canal clearances, which, as Mr. Lambert says, "are invariably attended with increased cultivation and revenue." He also concurs in the recommendation made by Mr. Lambert in the same para. that the North-Western Railway should be required to contribute its share of the cost and maintenance of the Upper Sind river embankments, which were doubtless constructed and are maintained partly for the protection of that railway against floods.

41. In the above imperfect review the Commissioner has found occasion to comment in an unfavourable sense on some of the work of the Irrigation Department in Sind, especially in the matter of the direction of expenditure of the Maintenance and Repairs grants. His attention was specially attracted to this subject by the circumstance that his predecessor, Mr. Erskine, reported to Government shortly before he left Sind that some of the revenue settlements made in the last few years could not be maintained unless more money was spent on the clearance of canals, and that not long after he had taken up the office of Commissioner he was obliged to submit a similar representation. Government were pleased to accept the recommendations submitted by the Superintending Engineer and supported by the Commissioner, and made a liberal additional grant at the beginning of 1888 that has sufficed to improve the condition of many of the canals. But much remains to be done, and no prospect has been held out by Government of any permanent addition to the clearance grant, while under present financial conditions no increase can be immediately expected. It is therefore essential that irrigational expenditure should be economised in every way possible, and that it should be confined to works that are necessary for securing water-supply to lands the holders of which have a rightful claim to water, until those claims are satisfied. It was necessary that an examination of the expenditure of past years should be made, in order to discover items in which economy may be exercised, as well as items the execution of which will bear deferment. Some of the criticisms offered by the Commissioner accordingly refer to conditions and circumstances with which he was not personally conversant, and he would not have referred to them if other means had been open to him of forming conclusions and suggesting improvements that seem to him to be called for. He desires to acknowledge the ready and cordial assistance he has received from the Superintending Engineer in this inquiry, as well as in all other matters, and the excellent work done by Mr. Lambert and the officers of the Sind Irrigation Department during the year under report.

C. B. PRITCHARD,

Commissioner in Sind.

General Abstract of Financial Results of Irrigation Works in
Sind for and up to the close of 1887-88.

General Abstract of Financial Results of Irrigation Works

	WORKS IN									
	MAJOR WORKS—PRODUCTIVE WORKS.					MINOR WORKS AND NAVIGATION—WORKS FOR WHICH CAPITAL				
	Desert Canal.	Unharwah.	Regdri Canal.	Eastern Nara Works.	Total.	Sukkur Canal.	Ghár Canal.	Mehrabwah.	Alibhar Kachori Canal.	Márah Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direct	57,155	10,229	6,080	1,13,753	1,87,226	...	...	...	...	...
Indirect	1,352	242	144	4,877	6,615	...	...	...	...	...
AL	58,507	10,471	6,233	1,18,630	1,93,841	...	...	...	...	...
Direct	11,76,780	3,31,627	16,25,609	49,00,601	80,34,617	13,28,747	4,15,537	66,018	23,207	1,93,600
Indirect	39,560	7,288	47,470	1,82,134	2,76,461	59,966	25,440	1,851	710	7,953
AL	12,16,340	3,38,915	16,73,079	50,82,735	83,11,078	13,88,713	4,40,977	67,869	23,917	2,01,553
Direct	36,971	40	25,491	15,989	78,491	1,131	4,674	202	650	2,203
Indirect	91,709	53,206	2,15,748	3,12,523	6,73,186	97,893	3,42,782	23,181	4,109	45,264
AL	1,28,680	53,246	2,41,239	3,28,512	7,51,677	99,024	3,47,456	23,383	4,759	47,467
Direct	1,67,896	72	2,40,813	5,42,966	9,51,747	13,063	1,85,531	718	10,265	45,962
Indirect	13,47,419	1,18,129	35,00,403	43,20,650	92,56,601	8,28,227	1,09,86,879	1,03,163	89,958	6,97,227
AL	15,15,315	1,18,201	37,41,216	48,63,616	1,02,38,348	8,41,290	1,11,72,410	1,03,881	1,00,223	7,43,189
Direct	49,588	16,860	83,096	87,063	2,36,607	43,571	1,60,740	9,188	5,967	18,183
Indirect	1,337	341	1,925	2,813	6,416	909	3,419	198	158	376
AL	50,925	17,201	85,021	89,876	2,43,023	44,480	1,64,159	9,386	6,125	18,559
Direct	4,38,274	42,083	17,91,526	23,28,099	45,99,982	7,89,991	31,15,794	63,071	94,810	2,51,921
Indirect	12,867	923	48,541	1,03,837	1,66,168	23,300	70,804	1,501	2,875	6,894
AL	4,51,141	43,006	18,40,067	24,31,936	47,66,150	8,13,791	31,86,688	64,572	97,685	2,58,815
Direct	77,755	36,045	1,56,218	2,38,636	5,08,654	54,544	1,83,297	13,997	-1,366	28,908
Indirect	10,64,174	75,195	19,01,143	24,31,680	54,72,198	27,499	79,85,722	39,309	2,538	4,84,874
AL	10,74,929	1,11,240	19,57,361	26,69,316	60,40,852	82,043	81,73,019	53,306	1,172	5,13,782
Direct	45,923	13,060	64,902	1,93,749	3,17,639	...	...	...	...	...
Indirect	4,62,623	38,483	9,55,145	32,88,065	47,45,216	...	...	...	...	...
AL	4,67,216	51,543	10,20,047	34,81,814	51,02,655	...	...	...	...	...
Direct	31,827	22,985	91,316	44,887	1,91,015	...	...	...	...	...
Indirect	6,01,551	36,712	9,46,004	8,57,285	7,26,982	...	...	...	...	...
AL	6,07,578	59,697	10,37,320	9,02,172	7,28,097	...	...	...	...	...

Sind for and up to the close of 1887-88.

IRIGATION.										Expenditure on and Receipts from Agricultural Works for which neither Capital nor Revenue Accounts are kept.		
REVENUE ACCOUNTS ARE KEPT.			Grand Total.	MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.								
Sumarwah.	Fuleli Canal.	Total.		Under Executive Engineer, Shikarpur Canals.	Under Executive Engineer, Ghār Canals.	Under Executive Engineer, Hyderabad Canals.	Under Executive Engineer, Fuleli Canals.	Under Executive Engineer, Karachi Canals.	Total.			
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Expenditure.	Receipts.
...	...	...	1,87,226	...	...	...	...	...	...	Begdri Canals.	Rs.	Rs.
...	...	...	6,615	...	...	...	...	...	...	Kashmor Bund.		
...	...	...	1,93,841	...	...	...	...	...	...	Loop bund near Kashmor	42,240	
1,18,559	9,30,332	80,75,900	1,11,10,517	...	...	...	...	...	...	Small length of loop near Dairi	298	
6,121	33,343	1,85,284	4,11,745	...	...	...	...	...	...	Maintenance and repairs to the bund	35,829	
...	...	...	...	...	...	...	...	...	...	Maintenance of garden at Badani	480	
1,24,680	9,63,475	32,11,184	1,15,32,262	...	...	...	...	...	...	Rent of Telegraph line at Badani	1,800	
...	...	...	...	...	...	...	...	...	...	Maintenance and repairs, Buxaliwah	608	
1,888	23,561	34,309	1,12,800	5,027	7,571	12,843	574	18,721	44,739	Bund to protect the town of Khmira Garhi	3,466	
19,751	8,58,502	8,91,482	15,64,668	3,23,054	4,07,055	4,74,322	41,468	5,26,074	17,71,973	General charges for establishment and Tools and Plant	17,279	
21,639	3,82,063	9,25,701	16,77,468	3,28,081	4,14,626	4,67,165	42,012	5,44,798	18,16,712	Share of collection charges in the Civil Department	686	
27,273	5,34,930	8,17,742	17,60,490	...	...	...	...	...	...	Irrigation share of Land Revenue	...	6,958
1,77,168	49,92,033	1,78,74,655	2,71,61,256	...	...	...	...	...	...	Total, Begdri Canals	1,02,705	7,181
2,04,441	55,26,963	1,86,92,397	2,89,30,745	...	...	...	...	...	...	Shikarpur Canals.		
...	...	...	...	...	...	...	...	...	...	Forest sluice in Sukkur and Begdri Bund	1,426	
11,803	2,47,849	4,97,391	7,83,998	2,31,358	1,14,223	1,98,057	28,559	4,35,197	10,02,394	Two sluices in Kasimpur Bund to water Kohri Forest	3,142	
281	5,200	10,541	16,957	...	...	...	...	...	...	Kasimpur Bund	1,448	
12,174	2,53,049	5,07,932	7,50,955	2,31,358	1,14,223	1,93,057	28,559	4,35,197	10,02,394	General charges for Establishment and Tools and Plant	1,478	
1,77,520	89,83,040	84,26,153	1,30,26,135	...	...	...	...	...	...	Total, Shikarpur Canals	7,494	12
6,525	1,20,943	2,32,932	3,90,100	...	...	...	...	...	...	Ghār Canals	...	16
1,84,051	40,53,963	86,59,085	1,84,25,235	...	...	...	...	...	...	Eastern Ndra District	...	3
9,485	1,29,014	4,17,859	9,26,518	96,723	3,00,403	2,94,108	13,183	1,00,601	8,14,318	Karachi Canals.		
20,890	14,72,980	1,00,33,312	1,55,05,510	...	...	...	...	...	...	Constructing sluice in Sumarwah Surgati Forest.	758	
...	...	...	...	...	...	...	...	...	...	Do. Mirwah Gunj do.	701	
...	...	...	...	...	...	...	...	...	...	General charges for Establishment and Tools and Plant	904	
...	...	...	...	...	...	...	...	...	...	Total Karachi Canals	2,358	...
...	...	...	...	...	...	...	...	...	...	Mathematical Instrument Depot in Sind	-66	...
...	...	...	...	...	...	...	...	...	...	TOTAL	1,12,401	7,212

GOVERNMENT OF INDIA,
REVENUE AND AGRICULTURAL DEPARTMENT.

**Weather Review of India for the week ending at 8 a.m. on
Monday, July 1st, 1889.**

Normal monsoon conditions have prevailed throughout the greater part of India during the past week. On some days the currents have been partially interrupted; and hence their extension into a large portion of North-Western India has not been complete, and that part of India has been more or less rainless with a high temperature. With this exception, however, rain has been general, and at several stations has been heavy. Accompanying this general rainfall, there have been moist cloudy weather and comparatively low temperatures.

The Chart of the 25th June exhibited the ordinary high pressure area over the Malabar Coast and the ordinary low pressure area over the Indus Valley; but, in addition to this, there existed an area of relatively low readings over the head of the Bay of Bengal, the east of the Central Provinces, and the whole of the North-West Provinces. Within this low pressure were three centres of depression—one over the north-western angle of the Bay, a second over Behar and the east of the North-Western Provinces, and a third between Nowgong and Agra. These depressions occasioned local cyclonic circulations of the wind over the portion of India covered by them, but elsewhere normal monsoon breezes prevailed. The monsoon over the Peninsula was fresh, and over Sind, Guzerat, Central India, and Rajputana strong. On the following day the depression over the Bay had developed somewhat and become a well defined storm. That which lay over Behar and east of the North-Western Provinces had moved slightly westward, and absorbed into it the small Nowgong-Agra disturbance. With these exceptions, there had been no change of importance in the distribution, and the winds direction and force were generally unaltered. By the morning of the 27th, the small depression which had been shown over the north-west angle of the Bay had passed westward, and had also become absorbed into the general depression over the central parts of the country. A well marked cyclonic circulation existed around this depression, but otherwise the winds were normal. The Chart of the 28th showed that the depression, without changing its intensity, had advanced west-north-westward through the Central Provinces, and that its centre lay near Saugor. The cyclonic circulation around it was very well marked. Normal winds prevailed elsewhere, though over the head of the Bay the force of the wind was exceptionally high. Between the 28th and the morning of the 29th the storm moved north-westward, and at 8 A.M. on the 29th the centre lay immediately to the south-east of Ajmere and Jeypore. There was no alteration in the winds. They continued to circulate cyclonically around the storm area, and to blow strongly both over the Bay and across the West Coast. The observations of the 30th showed that the barometer was rising in all districts, except North-Eastern India, and that the depression which lay near Jeypore on the 29th had filled up after an existence of nearly a week. There was much less difference of pressure between the south and north of India than is ordinarily the case at this season of the year, and there were again indications of a tendency to depression formation over Bengal. With the decrease in the barometric

gradient noticed above, there had occurred a decrease in the force of the monsoon currents, which were moderate only on both sides of India. The Chart of the 1st July showed that a depression was commencing over Central Bengal. Otherwise there was little alteration, and the monsoon currents remained below the normal strength.

Temperature.—The departures of temperature from the normal have been much less during the past week than during the two or three preceding weeks. The monsoon current, with its cloudy skies, high humidity, and fairly constant rain, has prevailed over the greater part of the country and, except where local heavy falls of rain have occasioned rapid local changes of temperature, has maintained a fairly constant temperature. The largest variations from the normal have occurred in Sind, Guzerat, and Rajputana; the smallest in Burma. The former districts were those where the monsoon currents were most intermittent in their action, while the latter district was steadily influenced by them throughout the week.

The past week was a cool one generally, but especially so in Bengal and the North-Western Provinces, where on every day of the week the average mean temperature was below the normal.

The following table shows the excess or defect of the mean average temperature of the different Provinces from the normal, both for the present and for the preceding week :

PROVINCE.	Difference of Mean Temperature of Last Week from Normal.	Difference of Mean Temperature of Present Week from Normal.
Burmah	+ 0.1°	0
Bengal	— 1.3°	— 1.3°
North-Western Provinces	— 6.8°	— 2.5°
Punjab	— 3.7°	+ 0.6°
Bombay	+ 0.2°	— 0.3°
Central Provinces and Berar	— 2.0°	+ 0.5°
Guzerat and Central India	— 3.3°	— 1.1°
Sind and Rajputana	— 2.3°	— 1.4°
Madras	+ 0.5°	— 0.1°

From this table it will be seen that the relative coolness is less this week than last. A slight excess has replaced in the Punjab and Central Provinces the considerable deficiency which prevailed last week, while elsewhere the deficiency is generally slighter than it was last week.

Rain.—The distribution of rain has been approximately the same as that reported last week. Over the greater part of the country rain has fallen generally and almost daily, but in North-Western India it has been scattered and partial and entirely absent at some stations. In Southern Madras similar conditions have prevailed.

The following is a brief description of the daily distribution of rain. On the 25th there was no rain reported from the Punjab, Rajputana, Sind, or Eastern Madras (south of Masulipatam), but general rain elsewhere,—heaviest in Bengal. The reports of the succeeding day showed a similar distribution, except that rain had extended north-westward along the line of the hills in the Punjab. The amounts were generally moderate. The only change shown by the reports of the 27th was the much heavier fall on the West Coast, where Mangalore reported 3 inches, Karwar 6, and Goa 7 inches. On the 28th general rain continued with patches of large amounts over the central stations and the West

Coast. On the 29th the amount of rainfall had become much slighter, but the area covered remained unchanged. On the 30th the falls were still lighter, and on the 1st both the amount of the rainfall and its extent had alike decreased.

The table at the close of the summary shows that at 32 out of the 51 divisions into which India has been divided the average rainfall of the week has been exceeded, and that at 17 the rainfall has been deficient, though in the majority of cases the deficiency has been small, not reaching 1 inch.

In Burmah, Tenasserim, and Arakan, show that notwithstanding heavy local rain at Akyab, the week's fall has been short of the average; but in Lower and Central Burmah there is an excess. Excessive rain is also reported from the whole of Bengal, the North-Western Provinces (East), (West), and (Submontane) and Oudh (North); but in the North-Western Provinces (Central) and Oudh (South) there has been a deficiency of about half an inch. In all parts of the Punjab, except the hill districts and the Indus Valley, there have been deficient rains. The Malabar Coast had slightly, and Coorg considerably, less than usual while Madras (South Central), Mysore, and the Konkan had an excess. The whole of the district comprising the Deccan, Khandeish, the west of the Central Provinces, and Kattiawar had deficient rainfall, while Guzerat, Central India, Rajputana, and Sind had more than usual. In Madras there was a general though slight excess.

The maximum falls are as a rule not remarkable. Cherrapunji had 27 inches, and some stations in North and Central Bengal between 10 and 12 inches. Behar, both North and South, and the adjoining parts of the North-Western Provinces received falls of between 10 and 12 inches; but further to the westward the amounts decreased, and there was nothing very important over Upper India. In the Malabar Coast districts falls of 13 or 14 inches, and in the Konkan of between 16 and 19 inches, are reported. At one station in the Kothapur district of the Deccan 20 inches were received. Fair, moderate rains were experienced over the Central parts of the country and the Peninsula, and good rain in Ganjam.

The concluding column of the table shows the state of the seasonal fall. There is more or less deficiency in Burmah and East Bengal, excess in other parts of Bengal and over nearly the whole of the North-Western Provinces, and a rather large deficiency in the Punjab. Over the West Coast districts the variations are somewhat irregular, but all over the Central Provinces and in Kattiawar there is a deficiency. In Central India, Rajputana, and generally over Madras the rains have been good.

Province.	Division.	RAINFALL DATA FOR WEEK ENDING JULY 1ST, 1889.			RAINFALL DATA FROM MAY 13TH TO JULY 1ST, 1889.		
		Average Actual Rainfall of Division.	Average Nor- mal Rainfall of Division.	Excess or Deficit, in Inches.	Average Actual Rainfall of Season to date.	Average Nor- mal Rainfall, May 13th to July 1st.	Excess or De- ficient (Season- al) Rainfall expressed as a per- centage.
		Inches.	Inches.	Inches.	Inches.	Inches.	Per cent.
BURMAH	Tenasserim	5'55	9'00	— 3'45	49'78	53'43	— 7
	Lower Burmah	5'59	4'17	+ 1'33	22'62	27'24	— 17
	Central Burmah	4'07	3'39	+ 0'08	17'10	22'11	— 23
	Upper Burmah	1'31	?	?	13'81	?	?
	Arrakan	13'00	13'69	— 0'69	63'08	65'95	— 4
BENGAL AND ASSAM	Eastern Bengal	5'13	3'85	+ 1'28	24'65	25'94	— 5
	Assam (Surma)	8'41	3'78	+ 4'63	45'79	34'52	+ 33
	Do. (Brahmaputra)	6'64	4'64	+ 2'00	31'68	24'75	+ 28
	Delhi Bengal	3'27	2'26	+ 1'01	15'65	14'21	+ 10
	Central Bengal	4'03	2'34	+ 2'59	17'63	13'40	+ 31
	North Bengal	7'20	5'11	+ 2'15	31'79	32'04	0
	Orissa	3'82	3'44	+ 0'38	12'71	11'29	+ 13
	Chota Nagpur	5'02	2'00	+ 3'32	12'72	10'29	+ 24
	Behar (South)	5'04	2'50	+ 2'54	10'77	7'50	+ 42
	Do. (North)	6'19	2'07	+ 3'52	15'08	10'37	+ 45
NORTH - WESTERN PROVINCES AND ODDH. . . .	North - Western Province- (East). . . .	4'24	1'94	+ 2'30	7'90	5'23	+ 51
	Oudh (South)	1'53	2'10	— 0'57	6'79	5'42	+ 25
	Do. (North)	2'50	2'35	+ 0'15	7'57	6'70	+ 12
	North - Western Provinces (Central)	0'95	1'39	— 0'44	3'92	3'68	+ 1
	North - Western Provinces (West). . . .	1'42	1'36	+ 0'66	3'04	4'10	— 26
	North - Western Provinces (Submontane). . . .	2'77	2'61	+ 0'16	8'23	6'87	+ 20
PUNJAB	Punjab (South)	0'13	0'82	— 0'69	2'14	2'45	— 13
	Do. (Central)	0'00	1'80	— 1'74	1'24	4'01	— 02
	Do. (Submontane)	0'87	2'02	— 1'15	2'70	4'19	— 36
	Do. (Hill Districts)	0'52	3'10	+ 3'33	13'58	11'49	+ 18
	Do. (North-West)	0'74	0'87	— 0'13	2'20	2'87	— 23
	Do. (West)	0'78	0'34	+ 0'44	1'72	1'34	+ 28
BOMBAY AND MALA- BAR COAST DIS- TRICTS (MADRAS). . . .	Malabar	6'32	7'23	— 0'91	43'33	44'63	— 3
	Madras (South Central)	1'57	0'34	+ 1'23	6'15	4'73	+ 30
	Coorg	4'07	5'4	— 3'07	26'05	34'00	— 24
	Mysore	0'06	0'07	+ 0'20	3'45	5'15	— 33
	Konkan	14'21	7'21	+ 7'08	38'52	31'31	+ 23
	Bombay Deccan	1'31	1'75	— 0'04	6'68	7'07	— 17
	Hyderabad (North) . . . .	...	...	...	...	...	...
	Khandeish	0'99	1'41	— 0'42	3'63	6'04	— 45
CENTRAL PROVINCES AND BENAR. . . .	Benar	1'80	2'41	— 0'55	5'54	7'79	— 29
	Central Provinces (West)	2'77	4'39	— 1'59	7'27	8'84	— 18
	Ditto (Central)	4'13	3'38	+ 0'75	9'65	10'00	— 4
	Ditto (East)	3'40	3'61	— 0'15	8'58	11'02	— 24
BOMBAY (NORTH)	Guzerat	3'8	2'40	+ 0'50	6'55	6'62	— 1
	Kathiawar	0'75	1'33	— 0'58	2'3	3'89	— 48
	Sind	0'51	0'07	+ 0'24	0'40	0'21	+ 38
RAJPUTANA AND CEN- TRAL INDIA. . . .	Central India (East)	2'41	1'66	+ 0'75	6'69	5'75	+ 16
	Rajputana (East), Central India (West). . . .	1'99	1'00	+ 0'99	5'38	3'09	+ 46
	Rajputana (West)	0'56	0'50	+ 0'06	2'75	1'90	+ 45
MADRAS	East Coast (North)	2'45	1'56	+ 0'89	7'62	7'41	+ 3
	Hyderabad (South)	0'69	1'19	— 0'50	3'12	5'15	— 41
	Madras (Central)	0'81	0'22	+ 0'59	3'09	4'05	— 9
	East Coast (Central)	1'00	0'00	+ 0'10	4'32	4'29	+ 1
	Ditto (South)	0'75	0'45	+ 0'30	3'42	3'40	+ 1
	Madras (South)	0'55	0'14	+ 0'41	1'63	2'38	— 32

W. L. DALLAS,

SIMLA, 4th July, 1889.

Assistant Meteorological Reporter to the
Government of India.

E. C. BUCK,

Secretary to the Government of India.

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GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

Weekly Report on the State of the Season and Prospects of the Crops.

Madras.—*For week ending 29th June.*—Rainfall good in Ganjam, Vizagapatam, Kistna, North Arcot, Nilgiris, and West Coast; fair in Godavari, Bellary, Kurnool, Chingleput, Coimbatore, and Salem; slight elsewhere. Crops generally good, but withering in parts of South Arcot and Tinnevely; suffering from want of rain or water in Cuddapah, North Arcot, Trichinopoly, and Salem; dry crops blighted in Coimbatore. Water-supply insufficient in Cuddapah, Chingleput, North Arcot, Coimbatore, and Salem. Stock suffering badly, chiefly from rinderpest, in Malabar, Tinnevely, and Kistna. Prices rising in Ganjam, Vizagapatam, and nine other districts; falling in five; stationary in others. 749 deaths from cholera in Ganjam. Labourers employed last day of week,—on Rushikulya works, 4,252; Gopalpur Canal, 1,769; Ghat Roads, 1,259. Average daily number on drinking-water tanks and wells, 4,765; on minor irrigation and other works, 3,657. Number on village relief on 22nd June, 24,880; fed in kitchens, 1,969. No reliable estimate of stocks, but apparently fair, except in Chinna Kimedi. General prospects favourable, and improving in Ganjam.

Bombay.—*For week ending 3rd July.*—Rain throughout Presidency Proper and Sind, but insufficient in many places. Sowing progressing in several districts, but retarded in parts of Broach, Nasik, Khandesh, Sholapur, Poona, Ahmednagar, Bijapur, and Belgaum for want of sufficient rain. Harvesting of *Rabi* crops in Karachi district completed. *Rati* blight in Mirpur Botoro; and sugarcane in Sakro in Karachi district attacked by disease. Locusts in one taluka of Karachi and one of Hyderabad; also passed through some villages of Ahmedabad. Mitho Indus embankment in Shikarpur breached by floods, which are spreading and endangering Larkana town.

Bengal.—*For week ending 2nd July.*—General and rather excessive rain throughout the Province during the week. A break is now much needed. Prospects so far are favourable. Cultivation is well forward, and all standing crops are making good progress. Paddy and *bhudo* sowings are nearly complete, and transplanting of seedlings has begun. The excessive rain and rise of rivers have caused some damage to the lowland crops in Pubna, Julpaiguri, Dacca, Furrudpore, Muzaffarpur, and Chumparun. Prices continue high and almost stationary. The attendance on relief works in the distressed tracts of the Sonthal Pergunnahs is said to be gradually diminishing.

North-Western Provinces and Oudh.—*For week ending 3rd July.*—Cloudy weather has prevailed throughout the week, and average rain has fallen generally; though in Jhansi it has been inadequate, and in Moradabad more is urgently wanted. *Kharif* sowings continue. Markets are amply supplied and prices remain steady, except in Partabgarh, Allahabad, and Moradabad, where they have an upward tendency. Agricultural stock in good condition.

Punjab.—*For week ending 3rd July.*—Rain has fallen in all districts, except Hissar and Peshawar. Prices falling in Shahpur; unsettled in Peshawar, and stationary elsewhere. *Rabi* harvesting over; *kharif* ploughings and sowings in progress. Rain anxiously expected in Hissar and Lahore. Standing crops are in good condition. Sugarcane and cotton crops promise well. Stock cattle are reported healthy. Fodder sufficient, except in Hissar district.

Central Provinces.—*For week ending 3rd July.*—Rain general and sufficient. There have been heavy showers, followed by clear weather, which have been very favourable for sowing. Rice being transplanted in Sambalpore. Prospects good. Much loss of cattle in Hoshangabad from want of fodder.

Burma.—*For week ending 29th June.*—The rainfall was heavy throughout Lower Burma, except in Thayetmyo. In Upper Burma, except in the Ruby Mines, Bhamo, Upper Chindwin, and Yamethin districts, the rainfall was light; but no reports of its being insufficient have yet been received. Cattle-disease is severe in Shwegyin. The food-supply is sufficient. The price of paddy has risen 3 per cent. in Rangoon, 6 per cent. in Myadoug, and 11 per cent. in Pyinmana, and has fallen 11 per cent. in Prome, 4 per cent. in Thayetmyo, and 5 per cent. in Sagaing.

Assam.—*For week ending 3rd July.*—Weather seasonable. Sowing of late rice and reaping of summer rice continue. Blight on tea in Cachar. Prospects of other crops in general good.

Mysore and Coorg.—*For week ending 3rd July.*—Slight rain in the Civil and Military Station of Bangalore. Rainfall good in Kadur and Shimoga districts, and insufficient in the Mysore district. Crops good, except in Mysore district. Sowing operations completed in parts. No material change in prices.

Good rain in Coorg during the week. Crops in good condition.

Berar and Hyderabad.—*For week ending 3rd July.*—Average rainfall fair in Berar. Cotton sowing continues. *Jowari*, *tur*, and *til* sowings in progress. Prices steady. General condition of agricultural stock good. Fodder insufficient.

Rainfall fair in Hyderabad during week. Week's rain useful for sowing operations, but rainfall since commencement of monsoon insufficient. Scarcity of fodder still felt. Prices stationary.

Central India.—*For week ending 3rd July.*—Rain throughout Central India during the week; heaviest fall in Bhopawar Agency, but slight only in Gwalior, where more is needed. Prospects improved considerably in Western Malwa Agency. Prices of foodgrains generally steady in Bhopawar. Condition of pasturage is reported good.

Rajputana.—*For week ending 3rd July.*—Heavy rain at Abu, Erinpura, and Meywar; moderate elsewhere. Slight in Tonk and Ulwar. Agricultural operations progressing. Agricultural stock poor in Meywar and Bickaneer. Pasturage or fodder insufficient in Meywar and Ulwar. Prices rising in Kerowli and Bhurtpore.

Nepal.—*For week ending 27th June.*—Good rain. Weather fair. Prospects of crops good.

E. C. BUCK,

Secretary to the Government of India.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY TRAFFIC.

NO. X OF 1889-90.

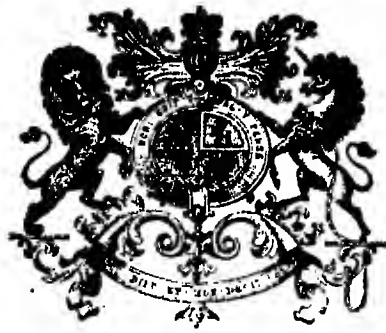
APPROXIMATE STATEMENT OF GROSS RECEIPTS AND EXPENSES OF INDIAN RAILWAYS.

N.B.—As regards the figures in column *Total Receipts from 1st April to date*, audited figures have been used as far as possible.

Latest Return received.	RAILWAYS.	Total length open.	RECEIPTS FOR WEEK ENDING 6TH JUNE, 1888.		Total length open.	RECEIPTS FOR WEEK ENDING 6TH JUNE, 1889.		TOTAL RECEIPTS FROM 1ST APRIL TO 6TH JUNE, 1888.		TOTAL RECEIPTS FROM 1ST APRIL TO 6TH JUNE, 1889.		Total increase in 1889-90.	Total decrease in 1889-90.
			Total.	Per mile open.		Total.	Per mile open.	Total.	Per mile open per week.	Total.	Per mile open per week.		
	<i>S. & L. Lines worked by Companies.</i>		<i>Rs.</i>	<i>Rs.</i>		<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>
June, 1889	East Indian	1,514	8,54,000	565	1,514	9,51,007	630	96,46,404	637	95,90,585	634	...	55,819
ditto	Patna-Gaya	57	6,713	117	57	7,100	125	100,000	177	91,137	159	1,101	...
ditto	Dildarnagar-Ghazipur	12	1,014	85	12	710	59	134,800	112	100,000	83	...	3,411
ditto	Rajputana-Malwa	1,004	3,57,007	215	1,004	4,79,000	175	40,24,111	242	47,00,841	287	6,82,727	...
ditto	Bengal N. g. p. (n)	180	2,50,000	139	180	3,10,000	172	4,25,000	238	5,10,000	187	1,10,000	...
ditto	Southern Maratha (h)	850	81,000	95	850	1,01,000	120	8,30,000	98	9,10,000	100	77,000	...
ditto	D. Mysore Section	140	10,000	72	140	1,00,000	60	1,00,000	7	1,00,000	95	38,300	...
ditto	Indian Midland	211	(1) 27,000	131	(1) 27,000	92	(1) 27,000	(1) 27,000	110	(1) 27,000	117	4,38,788	...
ditto	Villupuram-Bharuabarani (Nellore Branch)	83	4,200	51	83	4,572	59	41,181	50	41,885	55	3,704	...
ditto	Bareilly-Pilibhit	30	1,400	47	30	1,700	56	17,300	40	24,304	65	5,904	...
	TOTAL	1,754	13,73,000	209	1,754	16,21,817	303	1,54,42,445	325	1,67,13,131	310	13,02,714	...
	<i>State Lines worked by Government.</i>												
June, 1889	North-Western (1)	2,411	4,77,112	198	2,411	5,80,000	243	47,88,830	191	53,70,453	220	5,90,623	...
ditto	Ouda and Rohilkhand	003	1,00,000	100	003	1,00,000	230	10,00,000	431	10,00,000	202	1,00,000	...
ditto	Bengal Central	120	10,000	80	120	2,00,000	102	1,00,000	95	1,00,000	110	2,00,000	...
ditto	Wardha Coal	45	15,000	310	45	2,00,000	44	1,00,000	302	1,00,000	422	2,00,000	...
ditto	Eastern Bengal Railways	673	1,45,000	210	673	1,80,000	209	14,47,373	210	15,80,000	250	1,30,708	...
ditto	Nalhati	17	1,000	70	17	1,000	94	10,000	60	10,000	61	...	1,804
ditto	Tinshai	252	3,00,000	151	252	4,00,000	149	3,00,000	120	3,00,000	144	...	774
ditto	Lucknow-Sitapur	105	6,000	81	105	8,000	74	57,200	5	74,300	71	17,000	...
ditto	Silwan	31	1,000	55	31	1,000	47	10,000	31	10,000	35	600	...
ditto	Chaura-Companyganj	7	1,000	10	7	1,000	45	1,000	10	1,000	10	...	83
ditto	Burma	300	50,000	145	300	60,000	170	6,00,000	175	6,80,000	171	3,32,700	...
	TOTAL	4,108	8,50,000	188	4,108	10,00,000	240	9,00,000	190	10,00,000	218	1,00,000	...
	<i>Lines worked by Guaranteed Companies.</i>												
June, 1889	Madras	830	1,00,000	121	830	1,00,000	210	10,00,000	100	10,00,000	220	2,00,125	...
ditto	South Indian	654	1,00,000	100	654	1,00,000	100	10,00,000	100	10,00,000	101	10,000	...
ditto	Great Indian Peninsula	1,004	1,00,000	100	1,004	1,00,000	100	1,00,000	100	1,00,000	101	10,000	...
ditto	Bombay, Baroda and Central India (h)	300	1,00,000	100	300	1,00,000	100	1,00,000	100	1,00,000	101	10,000	...
	TOTAL	3,788	1,00,000	100	3,788	1,00,000	100	1,00,000	100	1,00,000	101	10,000	...
	GRAND TOTAL (GUARANTEED AND STATE)	7,896	9,50,000	288	7,896	11,00,000	340	10,00,000	290	11,00,000	319	1,00,000	...
	GROSS ESTIMATED EXPENSES												
	NET RECEIPTS												
	<i>Assisted Companies.</i>												
June, 1889	Tarakshwar	2	4,000	211	2	7,450	372	6,000	200	10,000	200	8,000	...
ditto	Dahanu-Satya	...	...	...	...	...	...	...	...	...	...	...	...
ditto	Bombay and North Western	370	57,000	149	370	50,000	135	50,000	135	50,000	161	...	2,854
ditto	Rohilkhand-Kumaun	17	7,000	10	17	7,000	10	7,000	10	7,000	14	7,000	...
	TOTAL	40	67,000	145	40	70,000	145	60,000	145	60,000	175	10,000	...
	<i>Native States.</i>												
June, 1889	His Highness the Nizam's Guaranteed Company	277	26,732	97	277	40,157	115	3,05,700	110	4,04,800	110	99,146	...
ditto	His Highness the Gaekwar's Company	59	3,143	53	59	2,820	48	3,000	50	2,000	53	...	6,252
ditto	His Highness the Gaekwar's Amravati-Mehsana-Vadnagar	21	857	41	27	1,100	40	11,854	57	12,552	47	600	...
ditto	Bhopalnagar-Gondal-Bikanagar-Porbandar	193	10,472	101	260	32,400	125	2,00,000	157	2,00,000	141	97,000	...
ditto	Morvi	...	...	...	...	...	...	...	...	...	...	...	...
ditto	Jodhpore	120	7,000	104	120	8,000	100	7,000	100	7,000	100	...	5,113
	TOTAL	742	61,000	82	892	90,124	101	7,00,000	101	9,00,000	106	1,50,599	...

a) Includes the Katni-Umaria Branch.
b) Includes the Bellary-Kistna State Railway.
c) Includes the Sindia State Railway.
d) Includes the Sindia and Bhopal-Itarsi State Railways.
e) Includes the Amritsar-Patankot and Rajpura-Bhatinda State Railways.
f) Includes the Dhond-Mannad, Khangaon, Annaoli, and Bhopal-Itarsi State Railways.

(g) Includes the Dhond-Mannad, Khangaon, and Annaoli State Railways.
(h) Includes the Pat. Branch.
(i) Return not received.
(j) Total receipts from 1st April to 2nd June, 1888.
(k) Total receipts from 1st April to 2nd June, 1889.



The Gazette of India.

PUBLISHED BY AUTHORITY.

No. 28.}

SIMLA, SATURDAY, JULY 13, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

CONTENTS.

PART I.—Government of India Notifications, Appointments, Promotions, Leave of Absence, General Orders, Rules and Regulations.

PART II.—Notifications by High Court, Comptroller General, Administrator General, Paper Currency Department, Presidency Pay Master, Money Order Department, Mint Master, Secretary and Treasurer, Bank of Bengal, Superintendent of Government Printing, and other Government Officers; Postal, Telegraph, and Commissariat Notices.

PART III.—Advertisements and Notices by private individuals and Corporations.

PART IV.—Acts of the Governor-General's Council assented to by the Governor-General:—

Nothing for Publication.

PART V.—Bills introduced into the Council of the Governor-General of India for making Laws and Regulations, or Reports of Select Committees presented to the Council:—

The Central Provinces Municipal Bill.

The Central Provinces Village-conservancy Bill.

PART VI.—Abstract of the Proceedings of the Council of the Governor-General of India, assembled for the purpose of making Laws and Regulations on the 10th July, 1889:—

Acts VI and VII of 1884 Amendment Bill.

The Central Provinces Municipal Bill.

The Central Provinces Village-conservancy Bill.

The Central Provinces Land-revenue Bill.

The Central Provinces Tenancy Bill.

SUPPLEMENT No. 28.

PART I.

Government of India Notifications, Appointments, Promotions, &c.

HOME DEPARTMENT.

NOTIFICATIONS.

ESTABLISHMENTS.

Simla, the 11th July, 1889.

No. 386.—Mr. A. Mackenzie, C.S.I., Chief Commissioner of the Central Provinces, has obtained privilege leave of absence for two months and sixteen days, with effect from the 23rd July, 1889, or from any subsequent date on which he may avail himself of it.

No. 387.—The Hon'ble R. J. Crosthwaite, Judicial Commissioner, Central Provinces, and Additional Member of the Council of the Governor-General for making Laws and Regulations, is appointed to officiate as Chief Commissioner of the Central Provinces, during the absence on leave of Mr. Mackenzie, or until further orders.

JUDICIAL.

The 11th July, 1889.

No. 919.—In exercise of the power conferred by section 527 of the Code of Criminal Procedure,

1882, the Governor-General in Council is pleased to direct the transfer of the appeals in the undermentioned cases from the Court of the Judicial Commissioner, Central Provinces, to the High Court, North-Western Provinces:

- (1) Case of Queen-Empress versus (1) Gania; (2) Eshwantia; (3) Luxmon; (4) Shēoram; (5) Sitia; and (6) Mangalia, convicted by the Sessions Judge of Nagpur (now acting as Judicial Commissioner), under section 325 of the Indian Penal Code;
- (2) Case of Queen-Empress versus Krishna and Shaboo, the sentence passed on whom by the District Magistrate of Wardha, under section 394, Indian Penal Code, was confirmed by the Sessions Judge of Nagpur (now acting as Judicial Commissioner) on 20th May, 1889.

A. P. MACDONNELL,

Secretary to the Government of India.

REVENUE AND AGRICULTURAL DEPARTMENT.

NOTIFICATIONS.

PATENTS.

Simla, the 6th July, 1889.

No. 1406-P.—Specifications of the under-mentioned inventions have been filed, under the provisions of Act XV. of 1859, in the Office of the Secretary to the Government of India in the Revenue and Agricultural Department. Copies have been sent to one of the Secretaries to each of the Governments of Bengal, Fort St. George, Bombay, and the North-Western Provinces. A copy of every specification is open to public inspection, at all reasonable hours, at the Office of the Secretary to the Government of India in the Revenue and Agricultural Department at the Presidency, upon payment of a fee of one Rupee. A certified copy of any specification will be given to any person requiring the same on payment of the expense of copying.—

No. 25 of 1888.—George Abraham Goodwin and William Field How, Engineers, both of Westminster, in the County of Middlesex, England, for improved form of lock nut.

No. 36 of 1888.—Ambrose Shere Massey, Engineer and Proprietor of the Napier Works, Madras, for the construction of ploughs whereby the body and beam are made out of one solid bar of iron or steel, securing strength, durability, and economy in manufacture.

No. 120 of 1888.—John Richard Montague, Inventor of Auburn, Cayuga County, New York, U. S. A., for improvements in machinery for opening, cleaning, and ginning seed-cotton.

No. 1407-P.—Specifications of the under-mentioned inventions have been filed, under the provisions of Act V. of 1888, in the Office of the Secretary to the Government of India in the Revenue and Agricultural Department. Copies have been sent to the Governments of Fort St. George and Bombay and the Chief Commissioner of Burma. A copy of every

specification is open to public inspection at all reasonable hours at the Office of the Secretary to the Government of India in the Revenue and Agricultural Department at the Presidency, upon payment of a fee of one Rupee. A certified copy of any specification will be given to any person requiring the same on payment of the expense of copying.—

No. 30 of 1888.—James Mylne, of Beheea, in the District of Shahabad, at present of "Craig Top," Mussoorie, Zemindar, for improvements in iron or composite frames for machines for expressing the juice from sugarcane.

No. 95 of 1888.—Richard Morris, of Bennett Park, Blackheath, in the County of Kent, England, Engineer, for an improvement in filters.

No. 11 of 1889.—Ludwig Keyling, Director of Berlin, in the Kingdom of Prussia and German Empire, for process and apparatus for producing shot or spheres of fragments or pieces of iron steel and metal.

No. 99 of 1889.—Frank William Allchin, Engineer of Weston Street, Northampton, in the County of Northampton, England, for improved riding toys or apparatus in which galloping or analogous movements are imparted to horses, boats, or corresponding parts carrying the riders, in addition to their forward movement as parts of the apparatus, such invention being in part applicable also to roundabouts or merry-go-rounds.

No. 119 of 1889.—Ewald Müller, Manufacturer of Soran, in the Kingdom of Prussia and German Empire, for improvements in couplings for railway vehicles.

No. 120 of 1889.—David George Hoey, of 8, Gordon Street, Glasgow, Scotland, ventilating Engineer, for improvements in arrangements or apparatus for ventilating halls, rooms, or other interiors.

No. 136 of 1889.—Henry Merritt Harcourt, of the Indian Postal Department, residing at 135, Lower Circular Road, Calcutta, for making an automatic centrifugal electric alarm or indicator.

REVENUE.

The 12th July, 1889.

No. 488.—Under section 5, Regulation III. of 1822, the Governor-General in Council is pleased to authorize the several Members of the Board of Revenue, Lower Provinces, to exercise generally, throughout the territories subject to their control, all the duties, powers, and authority which are vested in the Board collectively in respect of the departments detailed below:

The Honourable F. M. Halliday will exercise the aforesaid powers in the department of Land Revenue. This includes revenue, survey and settlement, land registration, land improvements, the sale or lease of waste land and Government estates, the management of wards' and attached estates, the collection of tesses, the realization of arrears of revenue, and the recovery of public demands, rent suits, embankments, pensions, the examination, enrolment, &c., of revenue agents, putni sales, and the supply of provisions for troops.

Mr. F. B. Peacock will exercise the aforesaid powers in the departments of Miscellaneous Revenue. These include excise, assessed taxes, salt, opium,

customs, stamps and stationery, tolls and canals, the partition of estates, and the acquisition of land for public purposes.

During the absence, on leave, of Mr. Peacock, Mr. J. Beames, Officiating Member of the Board of Revenue, will exercise the powers with which Mr. Peacock is vested.

E. C. BUCK,

Secretary to the Government of India.

FOREIGN DEPARTMENT.

NOTIFICATIONS.

Simla, the 9th July, 1889.

No. 1247-G.—The leave to Bombay, for four months, to study the Native languages, granted to Second-Lieutenant A. P. Browne, officiating Squadron Officer (on probation), 1st Regiment, Central India Horse, in Foreign Department notification, No. 483-G., dated the 20th March, 1889, is extended by ten days.

No. 1255-G.—Lieutenant A. D'A. G. Bannerman, officiating Squadron Officer, on probation, 2nd Regiment, Central India Horse, is granted leave in India, on medical certificate, for thirty-one days, with effect from the 31st May, 1889, and under the leave rules for the Staff Corps.

No. 2776-I.—In exercise of the powers conferred by section 8 of the Indian Christian Marriage Act, XV. of 1872, the Governor-General in Council is pleased to appoint the Reverend A. Gilrath, of the Methodist Episcopal Church at Ajmere, to be a Marriage Registrar within the territories of Native States under the Rajputana Agency.

The 10th July, 1889.

No. 1260-G.—Lieutenant H. S. Hazelgrove, Executive Commissariat Officer, Neemuch, held charge of the current duties of the office of Cantonment Magistrate, Neemuch, in addition to his own duties, from the forenoon of the 23rd April to the forenoon of the 16th May, 1889, during the absence on privilege leave of Captain F. G. Alexander.

No. 1263-G.—Surgeon W. H. Neilson, M.B., Medical Officer of the Erinpura Irregular Force, is appointed to officiate as Civil Surgeon of Ajmere, and as Medical Officer of the Merwara Battalion, with effect from the 4th June, 1889,

during the absence on privilege leave of Surgeon-Major D. ff. Mullen, M.D., and until further orders. This cancels Foreign Department notification, No. 617-G., dated the 11th April, 1889.

No. 1265-G.—Surgeon W. H. Neilson, M.B., Medical Officer of the Erinpura Irregular Force, is appointed to officiate as Residency Surgeon in Meywar, with effect from the date of assuming charge, and during such time as Surgeon-Major D. ff. Mullen, M.D., may officiate as Civil Surgeon of Ajmere, and as Medical Officer of the Merwara Battalion, or until further orders.

No. 1267-G.—Surgeon C. R. M. Green, Indian Medical Service, is appointed to officiate as Medical Officer of the Erinpura Irregular Force, with effect from the date of assuming charge, and during such time as Surgeon W. H. Neilson, M.B., may officiate as Residency Surgeon in Meywar, or until further orders.

The 11th July, 1889.

No. 1269-G.—The Governor-General in Council is pleased to issue the following orders:

- (1) Surgeon G. E. Fooks, Medical Officer of the 5th Regiment, Bombay Light Infantry, is appointed to be the Cantonment Magistrate of the Cantonment of Baroda, in addition to his military duties, and with effect from the 27th June, 1889.
- (2) Surgeon Fooks is invested, with effect from the 27th June, 1889, with the ordinary powers of a Magistrate of the 1st Class, as described in the Code of Criminal Procedure, and with the additional powers specified in Schedule IV. of that Code as powers with which a Magistrate of the 1st Class may be invested by the Local Government; the said powers to be exercised within the limits of the Cantonment of Baroda.

No. 2803-I.—In exercise of the powers conferred by section 21 of the Cantonments Act, III. of 1880, as extended to the Cantonment of Quetta, the Governor-General in Council is pleased to sanction the imposition in that cantonment of the following tax, in addition to all taxes now leviable therein:

Nature of Tax.	Amount.
For every dog of the age of six months or more, payable by the person or persons owning or having charge of such dog within the limits of the said cantonment.	One rupee per calendar year.

Provided that no such tax shall be leviable—

- (a) from any warrant officer or from any non-commissioned officer or soldier of Her Majesty's regular forces; or
- (b) from any person not residing for more than thirty days in the year within the limits of such cantonment.

No. 2804-I.—In exercise of the powers conferred by section 22 of the Cantonments Act, III. of 1880, as extended to the Cantonment of Quetta, and with reference to the last preceding notification imposing a dog-tax in that cantonment, the Governor-General in Council is pleased to apply to the said cantonment the following rules in force in the Municipality of Belgaum in the Bombay Presidency for the recovery of the said tax :

Rules.

The dog-tax shall be paid by the persons liable for the same, either in person or by agent at the office of the Cantonment Magistrate, on or before the first day of March in each year for which the tax is leviable.

In default of such payment, the tax shall, upon information laid before a Magistrate, be recoverable by a summary proceeding in the manner provided in the Code of Criminal Procedure.

No. 2818-I.—CORRIGENDUM.—The name "Venayek Rao Ganesh Samarth, Treasury Accounts Officer of the Tonk State" should be omitted from Foreign Department notification, No. 2099-I, of the 24th May, 1889, and added to the names under Foreign Department notification No. 2100-I. of the same date.

The 12th July, 1889.

No. 1274-G.—Colonel H. C. A. Szczepanski, Deputy Commissioner of the 1st class in the

Hyderabad Assigned Districts, is appointed to officiate as Commissioner of the Hyderabad Assigned Districts, with effect from the date of assuming charge, and during the absence on privilege leave of Mr. T. Chichele Plowden, or until further orders.

H. M. DURAND,

Secretary to the Government of India.

**DEPARTMENT OF FINANCE AND
COMMERCE.**

NOTIFICATIONS.

LEAVE AND APPOINTMENTS.

Simla, the 9th July, 1889.

No. 3505.—Mr. J. A. Robertson, Probationer attached to the Office of the Accountant General, Punjab, is granted leave on medical certificate for three months from the 18th June 1889.

Mr. M. A. Hydari, Probationer attached to the Office of the Comptroller, Central Provinces, is temporarily transferred to the Office of the Accountant General, Punjab.

The 11th July, 1889.

No. 3588.—Mr. A. E. Fanshawe, officiating Director General of the Post Office of India, is confirmed in that appointment, with effect from the 13th May 1889.

The 12th July, 1889.

No. 3610.—The following promotions and reversions of officers of the Account Department during the month of June 1889 are notified :

With effect from the 11th June 1889, in consequence of the return to duty of Mr. G. D. Pudumjee,—

Mr. L. E. Pritchard to revert to Class VI. ;
and

Mr. M. A. Hydari to revert to the Class of Probationers.

With effect from the 18th June 1889, in consequence of the grant of leave on medical certificate to Mr. J. A. Robertson,—

Mr. M. A. Hydari to officiate in Class VI.

E. J. SINKINSON,

Offg Secretary to the Government of India.

MILITARY DEPARTMENT.

Simla, the 12th July, 1889.

APPOINTMENTS.

COMMISSARIAT DEPARTMENT.

No. 617.—Lieutenant J. F. Stewart, Bengal S. C., Deputy-Assistant Commissary-General, 2nd class, on probation, is confirmed in that appointment, with effect from the 25th May, 1888.

HYDERABAD CONTINGENT.

No. 618.—*4th Cavalry*—

Lieutenant A. G. Davidson, 5th Infantry, officiating Squadron Officer, 2nd Cavalry, to be officiating Squadron Officer, to fill an existing vacancy, with effect from the 12th June, 1889.

No. 619.—*2nd Infantry*—

Lieutenant R. C. H. Chalmers, 14th Bengal Infantry, to be officiating Wing Officer, on probation, to fill an existing vacancy, with effect from the 28th June, 1889.

No. 620.—*4th Infantry*—

Second-Lieutenant W. E. E. Lloyd, Durham Light Infantry, a candidate for the Bengal Staff Corps, to be officiating Wing Officer, on probation, with effect from the 26th June, 1889.

No. 621.—*5th Infantry*—

Lieutenant G. M. Audain, Suffolk Regiment, a candidate for the Bengal Staff Corps, to be officiating Wing Officer, on probation, with effect from the 23rd June, 1889.

MILITARY ACCOUNTS DEPARTMENT.

No. 622.—Major J. A. Miley, Bengal S. C., Military Accountant, 1st class, 2nd grade, is

appointed to officiate as Controller of Military Accounts, Eastern Circle, Bengal, *vice* Lieutenant-Colonel C. G. Cautley, proceeded on furlough, with effect from the 11th July, 1889.

STAFF CORPS.

No. 623.—The undermentioned officers are admitted to the Bengal Staff Corps, with effect from the dates specified, subject to confirmation by the Secretary of State for India :

Lieutenant Francis Frederick Badcock, Wiltshire Regiment, officiating Wing Officer, 1st Battalion, 5th Gúrkha Regiment, Punjab Frontier Force,—23rd December, 1887.

Lieutenant Harry Alexander Moore, Border Regiment, officiating Wing Officer, 14th Bengal Infantry,—25th February, 1888.

Lieutenant Cyril Powney Thompson, Wiltshire Regiment, officiating Wing Officer, 3rd Sikh Infantry, Punjab Frontier Force,—11th April, 1888.

Lieutenant Percy William Drake Brockman, R.A., Wing Officer, 5th Bengal Infantry,—12th June, 1888.

No. 624.—Lieutenant Frederick William Charles Turner, Middlesex Regiment, officiating Squadron Officer, 1st Cavalry, Hyderabad Contingent, having completed eighteen months' probationary service, is admitted to the Bengal Staff Corps, from the 11th December, 1887, subject to confirmation by the Secretary of State for India.

FURLOUGH AND LEAVE.

No. 625.—The undermentioned officer is granted leave to proceed out of India on medical certificate under the leave rules for the Staff Corps; the leave to have effect in India from the date of being struck off duty till the date of sailing; the specified period to count from the date of leaving India :

Lieutenant T. Webster, Bengal S. C., 12th Bengal Infantry, for one year. Pension service—6th year commenced 5th December, 1888.

No. 626.—Colonel G. N. Channer, V.C., Bengal S. C., Colonel on the Staff, Jullundur, has been granted by the Secretary of State for India leave out of India (m. c.) for six months in commutation of his privilege leave.

This leave should be treated as under article 681, Army Regulations, India, Vol. I., Part I.

No. 627.—Second grade Apothecary W. J. Adams is granted furlough in India (m. c.) for one year and 183 days, under the Regulations of 1868, with effect from the 9th June, 1888.

No. 628.—The undermentioned officers have been granted extensions of furlough or leave by the Secretary of State for India :

Major A. S. McRae, Bengal S. C., (m. c.) for three months.

Surgeon-Major W. N. Keefer (m. c.) for four months.

PENSIONS.

No. 629.—Conductor Hugh Macartney, of the Public Works Department, Bengal, is transferred to the pension establishment.

PROMOTIONS.

No. 630.—The following promotions are made, subject to Her Majesty's approval :

To be Colonel in the Army.

Lieutenant-Colonel Edwin Metcalfe Leslie Marriott, Bengal General List, Infantry,—9th July, 1889.

BENGAL STAFF CORPS.

Captains to be Majors.

7th July, 1889.

Duncan Alexander Allen Macpherson.

Charles Wemyss Muir, C.I.E.

Edward Duncan Frederick Bignell.

8th July, 1889.

Henry North Webb.

George Brougham Austin.

MEDICAL DEPARTMENT.

To be Brigade-Surgeon.

Surgeon-Major H. B. Purves, with effect from the 16th June, 1889, *vice* Brigade-Surgeon J. Duncan, M.D., retired.

NATIVE ARMY.

No. 631.—6th Bengal Cavalry—

Jemadars Turáb Khan and Kán Singh to be Ressaidars, and Kot-Dafadars Maha Singh and Ganga Rám to be Jemadars, *vice* Sálík Singh and Imtiyáz Ali Khan, transferred to the pension establishment, with effect from the 1st April, 1889.

No. 632.—11th Bengal Infantry—

Subadar Ganes Singh to be Subadar-Major, *vice* Darsan Singh, *Sardar Bahádur*, transferred to the pension establishment, with effect from the 1st May, 1889.

No. 633.—16th Bengal Infantry—

Jemadar Robert A. Letts to be Subadar, *vice* Gauri Shankar Agnihotri, transferred to the pension establishment, with effect from the 26th March, 1889.

Jemadar Hírā Singh, from the 36th Bengal Infantry, to be Subadar, *vice* Jassa Rác, transferred to the pension establishment, with effect from the 1st May, 1889.

Color-Havildar Kishor Singh, from the 9th Bengal Infantry, to be Jemadar, *vice* Kási Ram Dúbe, transferred to the pension establishment, with effect from the 23rd March, 1889.

No. 634.—25th Bengal Infantry—

Subadar Lehna Singh to be Subadar-Major, Jemadar Kesar to be Subadar, and Havildar Bahrám Khan to be Jemadar, *vice* Karím-bakhsh, transferred to the pension establishment, with effect from the 16th June, 1889.

No. 635.—37th Bengal Infantry—

Subadar Sohanu to be Subadar-Major, Jemadar Gokul to be Subadar, and Havildar Bhúri Singh to be Jemadar, *vice* Káhan Singh, *Bahádur*, transferred to the pension establishment, with effect from the 14th June, 1889.

PUNJAB FRONTIER FORCE.

No. 636.—1st Sikh Infantry—

In G. G. O. No. 520 of 1889, for "*vice* Chagat Singh, invalided", read "*vice* Chagat Singh, transferred to the pension establishment".

REWARDS.

ORDER OF MERIT.

No. 637.—The Governor-General in Council is pleased to sanction, as a special case, the grant to SUBADAR KISHANBIR NAGARKOTI, 1st Battalion, 5th Gurkha Regiment, Punjab Frontier Force, of a gold bar, with the words "*18th June, 1888*" inscribed thereon, to be attached to and worn with the riband of the decoration of the First Class of the Order of Merit, in recognition of his conspicuous gallantry on that date on the Black Mountain, Hazara, on which occasion he, in company with two sepoys of the regiment, bravely stood by and defended Major Battye and Captain Urmston from the attacks of a numerous body of the enemy.

VOLUNTEER CORPS.

APPOINTMENTS.

No. 638.—2nd Administrative Battalion, North-Western Provinces Volunteers—

Lieutenant-Colonel A. J. Lawrence, C.I.E. (3rd Administrative Battalion, North-Western Provinces Volunteers, and Allahabad Volunteer Rifle Corps), to be Commandant.

No. 639.—Mussoorie Volunteer Rifle Corps—

Lieutenant-Colonel A. J. Lawrence, C.I.E. (3rd Administrative Battalion, North-Western Provinces Volunteers, and Allahabad Volunteer Rifle Corps), to be Commandant, *vice* Lane, resigned.

The 12th July, 1889.

No. 211.—With reference to paragraph 4 of Public Works Department Resolution No.

The Examiner, Public Works Accounts, Madras, at Madras.
The Examiner, Public Works Accounts, Bombay, at Bombay.
The Examiner, Public Works Accounts, North-Western Provinces and Oudh, at Allahabad.
The Examiner, Public Works Accounts, Bengal, at Calcutta.
The Examiner, Public Works Accounts, Punjab, at Lahore.
The Examiner, Public Works Accounts, Central Provinces, at Nagpur.
The Examiner, Public Works Accounts, Burma, at Rangoon.
The Examiner, Public Works Accounts, Assam, at Shillong.
The Examiner, Public Works Accounts, Hyderabad, at Bolaram.
The Examiner, Public Works Accounts, Rajputana, at Mount Abu.
The Examiner of Accounts, Military Works, at Simla.
The Examiner of Accounts, Tirhoot State Railway, at Mozufferpur.
The Examiner of Accounts, Sind-Pishin State Railway, at Quetta.
The Government Examiner of Accounts, Southern Mahratta Railway, at Dharwar.
The Government Examiner of Accounts, Indian Midland Railway, at Jhansi.
The Auditor, Oudh and Rohilkhand Railway, at Lucknow.

No. 212.—Rai Sahib Aghore Nath Mookerjee, Assistant Engineer, 1st Grade, Bengal, is granted one year's special leave, with effect from 10th August, 1889, under the terms of Public Works Department letters Nos. 1940-41G., dated 3rd October, 1887, in extension of the special leave granted him in Public Works Department

RESIGNATIONS.

No. 640.—*Cossipore Artillery Volunteers*—Lieutenant D. R. Wallace resigns his commission.

E. H. H. COLLEN, ●

Secretary to the Government of India.

PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

Simla, the 8th July, 1889.

No. 207.—CORRIGENDUM.—In Public Works Department Notification No. 37, dated 8th February, 1889, regarding the grant of special leave to Mr. W. F. Heath, Executive Engineer, for "20th September, 1889", read "23rd September, 1889".

The 9th July, 1889.

No. 208.—CORRIGENDUM.—In Public Works Department Notification No. 26, dated 25th January, 1889, for "13th October, 1889", read "13th September, 1889", as the date up to which Mr. A. C. C. Rogers, Executive Engineer, has been granted furlough on private affairs by the Secretary of State.

The 10th July, 1889.

No. 209.—Mr. J. Willcocks, Assistant Engineer, 1st Grade, State Railways, temporarily lent to the Government of Bombay, is promoted to the rank of Executive Engineer, 4th Grade, *temporary*, with effect from the 17th May, 1888. This cancels that portion of Public Works Department Notification No. 105 of 29th March, 1889, which relates to Mr. Willcocks.

The 11th July, 1889.

No. 210.—Major W. I. LeBreton, B.S.C., Examiner of Public Works Accounts, Bombay, resigned his appointment in the Public Works Department, with effect from the afternoon of the 4th June, 1889.

19-AE., dated 25th January, 1889, and Notification No. 61, dated 22nd February, 1889, it is notified that the preliminary and final tests of the competitive examination for admission into the Superior Accounts Branch of the Public Works Department will commence this year on the 5th August and 18th November, respectively. Candidates who have received nominations may present themselves for examination either at the Thomason Civil Engineering College, Rurki, or at the Office of an Examiner of Accounts of this Department, as may be most convenient to themselves.

No. 213.—Captain H. G. Kunhardt, R.E., Manager and Engineer-in-Chief, Tirhoot State Railway, is granted special leave for three months, under Public Works Department Code, Volume I., Chapter V., paragraph 16 A, with effect from 30th July, 1889, or such date as he may avail himself of it.

R. C. B. PEMBERTON, *Chief Engineer*



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PART V.

Bills introduced into the Council of the Governor General for making Laws and Regulations, or published under Rule 22.

GOVERNMENT OF INDIA.

LEGISLATIVE DEPARTMENT.

The following Bill was introduced into the Council of the Governor-General of India for the purpose of making Laws and Regulations on the 10th July, 1889:

No. 8 OF 1889.

THE CENTRAL PROVINCES MUNICIPAL BILL.

CONTENTS.

CHAPTER I.

PRELIMINARY.

SECTIONS.

1. Title, extent and commencement.
2. Repeal.
3. Definitions.
4. Notification of intention to constitute a municipality.
5. Consideration of objections and constitution of the municipality.

CHAPTER II.

ORGANIZATION OF COMMITTEES.

Constitution of Committees.

6. Number and appointment or election of members of committee.
7. Rules regarding term of office, wards, class-representation and elections of committees.

SECTIONS.

8. Incorporation of committee.
9. Appointment of president and vice-president.
10. Removal of president, vice-president and members of committee.

Conduct of Business.

11. Ordinary and special meetings.
12. Time for holding meetings.
13. Chairman of meeting.
14. Quorum.
15. Vote of majority decisive.
16. Record and publication of proceedings.
17. Bye-laws for conduct of business.

Joint Committees.

18. Joint committees.

Secretaries.

19. Appointment of secretary.

Contracts.

20. Authority to contract.
21. Mode of entering into contracts.

Privileges and Liabilities.

22. Bar of suit in absence of notice.
23. Liability of members for loss, waste or misapplication.

CHAPTER III.

TAXATION AND MUNICIPAL FUND.

Taxation.

24. Taxes which may be imposed.
25. Procedure in imposing taxes.
26. Tax not invalid for defect of form.
27. Taxes when payable.
28. Power to abolish or reduce tax.

SECTIONS.

29. Power of Local Government to ~~abolish~~ or reduce tax.
30. Recovery of taxes.

Municipal Fund and Property.

31. Constitution of municipal fund.
32. Application of fund.
33. Custody and investment of municipal fund.
34. Vesting of public property in committee.

CHAPTER IV.

MUNICIPAL POLICE.

35. Police-establishment.
36. Relief of committee from police-charges.
37. Appointment, liabilities and duties of municipal watchmen.
38. Duties of municipal police enrolled under Act V of 1861.
39. Police protection at fairs.

CHAPTER V.

POWERS FOR SANITARY AND OTHER PURPOSES.

Streets and Buildings.

40. Power to acquire land for building-sites adjoining new streets.
41. Power to close streets.
42. Power to permit temporary occupation of streets or land.
43. Power to attach brackets for lamps.
44. Names of streets and numbers of buildings.
45. Roofs and external walls not to be made of inflammable materials.
46. Power to regulate line of buildings.
47. Notice of new buildings.
48. Removal of projections and obstructions.

Bathing and Washing Places.

49. Bathing and washing places.

Deposit of Offensive Matter and Slaughter-places.

50. Removal and deposit of offensive matter.
51. Places for slaughter of animals.
52. Slaughter of animals for other purposes.

Burial and Burning Places.

53. Powers in respect of burial and burning places.
54. Removal of corpses.

Inflammable Materials.

55. Inflammable materials.

Powers of Entry and Inspection.

56. Inspection of drains, privies and cesspools.
57. Power to enter and inspect buildings.
58. Other powers of entry on buildings or land.
59. Power to enter for discovery of animals or vehicles liable to taxation.
60. Power to inspect places for sale of food or drink, &c., and to seize unwholesome articles exposed for sale.
61. Power of entry for purpose of scavenging.

SECTIONS.

62. Precautions to be observed in entering dwelling.

Water-pipes, Privies and Drains.

63. Troughs and pipes for rain-water.
64. Provision of privies or cesspools.
65. Repair and closing of drains, privies and cesspools.
66. Unauthorised buildings over drains.
67. Removal of drains, latrines or cesspools near any source of water-supply.
68. Power to require drainage of unwholesome tanks.

Dangerous Buildings and Places.

69. Power to require buildings, wells, tanks or excavations to be secured.
70. Building, wall or structure in ruinous or dangerous state.

Buildings and Grounds in Insanitary Condition.

71. Power to require owner to clear away noxious vegetation.
72. Power to trim hedges and trees bordering on street.
73. Cleansing of filthy buildings or land.
74. Power to prohibit use for human habitation of buildings unfit for such use.
75. Power to require untenanted buildings becoming a nuisance to be secured or enclosed.
76. Cultivation, use of manure or irrigation injurious to health, after prohibition.

Offensive and Dangerous Trades.

77. Regulation of offensive and dangerous trades.
78. Power to prohibit such trades.

Power to make and enforce Rules.

79. Power to make rules.
80. Power to prohibit commission of public nuisances.
81. Powers as to conditional orders in respect of certain acts and omissions.
82. Delegation of powers under sections 80 and 81.

Supplemental.

83. Execution of acts required to be done by any notice.
84. Recovery of costs of execution.
85. Compensation out of municipal fund.
86. Appeals against certain orders of committee.

CHAPTER VI.

OFFENCES AFFECTING THE PUBLIC HEALTH, SAFETY OR CONVENIENCE.

87. Penalty for depositing or throwing earth or materials or refuse, rubbish or offensive matter on roads or into drains.
88. Penalty for causing or allowing sewage to flow upon a public place.
89. Penalty for non-removal of filth.
90. Penalty for making or altering drains without authority.
91. Penalty for making or keeping latrines near any source of water-supply.
92. Penalty for keeping animals so as to be injurious to health.

SECTIONS.

93. Penalty for feeding animals on deleterious substances.
94. Penalty for driving vehicles without proper lights.
95. Penalty for discharging fire-arms.
96. Penalty for non-removal of elephants or camels on approach of a horse.
97. Penalty for taking elephants along public roads.
98. Penalty for beating drum or sounding musical instrument.
99. Penalty for suffering dogs to be at large.
100. Penalty for altering, obstructing or encroaching upon streets.
101. Penalty for quarrying, blasting, cutting timber or building.
102. Penalty for picketing animals and collecting carts.
103. Penalty for carrying corpses by prohibited routes or so as to cause annoyance.
104. Penalty for disturbing direction-posts or lamps.
105. Selling article of food or drink of a nature different from the article demanded.
106. Penalty for disobedience to orders of committee not punishable under any other section.
107. Prosecution to be suspended in certain cases.

CHAPTER VII.

CONTROL.

108. Control by Commissioner or Deputy Commissioner.
109. Power to suspend action under Act.
110. Extraordinary powers of Deputy Commissioner in case of emergency.
111. Powers of Local Government in case of default of committee.
112. Power of Local Government to supersede committee in case of incompetency, persistent default or abuse of powers.
113. Power of Local Government to frame forms and make rules.
114. General powers of Local Government and Commissioners.

CHAPTER VIII.

SUPPLEMENTAL.

Notices.

115. Authentication, service and validity of notices.
116. Mode of giving notice to owner or occupier of property.
117. Publication of public notices.

Alteration of Limits of Municipality.

118. Notification of intention to alter limits of municipality.
119. Alteration of limits of municipality.
120. Effect of exclusion of local area from municipality.
121. Effect of including local area in municipality.

SECTIONS.

Miscellaneous.

122. Penalty on member, officer or servant of committee being interested in contract made with committee.
123. Initiation of prosecutions.
124. Acquisition of land under Act X of 1870.
125. Procedure for making rules.
126. Power to make rules regulating conservancy of reservoir and catchment area.
127. Saving of Act XI of 1879.
128. Member of committee to be municipal commissioner.
129. Power to withdraw municipal area altogether from operation of this Act.
130. Vacancies and irregularities not to invalidate proceedings.

A Bill to make better provision for the Organisation and Administration of Municipalities in the Central Provinces.

WHEREAS it is expedient to make better provision for the organization and administration of municipalities in the Central Provinces; It is hereby enacted as follows:—

CHAPTER I.

PRELIMINARY.

1. (1) This Act may be called the Central Title, extent and commencement. Provinces Municipal Act, 1889.

(2) It extends to the territories for the time being administered by the Chief Commissioner of the Central Provinces; and

(3) It shall come into force on the first day of January, 1890.

2. (1) The Central Provinces Municipal Act, 1873, is hereby repealed: XI of 1873.

(2) But all municipalities constituted, committees established, limits defined, appointments, rules, orders and byelaws made, notifications and notices issued, taxes and rates imposed, contracts entered into and suits instituted under the said Act, or under any enactment thereby repealed, shall, so far as may be, be deemed to have been respectively constituted, established, defined, made, issued, imposed, entered into and instituted under this Act.

3. In this Act, unless there is something repugnant in the subject or context,—

Definitions.

(1) "municipality" means a local area declared by or under this Act to be a municipality:

(2) "committee" means a municipal committee established by or under this Act:

(3) "street" includes any way, road, lane, square, court, alley, passage or open space, [Act XII of 1884, s. 2.] whether a thoroughfare or not, over which the public have a right of way, and also the roadway and footway over any public bridge or causeway:

(4) "owner," used with reference to any building or land, includes the person who is receiving the rent of the building or land, whether on his own account or as agent or trustee, or who would so receive the rent if the building or land were let to a tenant:

*The Central Provinces Municipal Bill.**(Chapter I.—Preliminary.—Sections 4-5. Chapter II.—Organisation of Committees.—Sections 6-10.)*

(5) "prescribed" means prescribed by rules made under this Act by the Local Government.

[Act XV, 1883, s. 3.] 4. (1) The Local Government may, by notification published in the official Gazette and in the prescribed manner within the local area affected, declare its intention to constitute as a municipality under this Act any town or any group of towns in the immediate neighbourhood of one another.*

(2) Every notification under this section shall define the limits of the town or group of towns to which it refers, and may include within those limits any railway-station, village, building or land in the vicinity of any such town:

Provided that it shall not, without the previous sanction of the Governor General in Council, so include any part of a military cantonment.

[Act XV, 1883, s. 4.] 5. (1) Any inhabitant of a local area in respect of which a notification has been published under the last foregoing section may, if he objects to the constitution of the proposed municipality, submit his objection in writing to the Local Government within three months from the date of the publication of the notification in the Gazette, and the Local Government shall take his objection into consideration.

(2) When three months from such date have expired, and the Local Government has considered the objections, if any, which have been submitted under sub-section (1), the Local Government may, by a notification in the official Gazette, declare the local area to be a municipality.

CHAPTER II.

ORGANIZATION OF COMMITTEES.

Constitution of Committees.

[Act XI, 1873, s. 6.] 6. (1) There shall be established for each municipality a committee having authority over that municipality and consisting of such number of members, not less than five, as may be prescribed.

(2) Such members may be appointed, in the prescribed manner, by virtue of their office, or by nomination, or by election, or some by one and some by any other of such methods.

(3) Not less than two-fifths of the members of a committee shall be persons other than salaried officers of the Government.

(4) Every appointment of a member shall be notified in the official Gazette.

[Act XI, 1873, s. 6; and Act XV, 1883, ss. 9 and 10.] Rules regarding term of office, wards, class-representation and elections of committees.

7. (1) The Local Government may make rules regarding—

- (a) the term of office of members of committees;
- (b) the division of any municipality into wards;
- (c) the number of representatives to be appointed for each ward;

- (e) the qualifications of electors and of candidates for election;
- (f) the registration of electors;
- (g) the nomination of candidates, the time of election and the mode of recording votes; and
- (h) any other matters regarding the system of representation and election.

(2) The Local Government may, in making such rules, direct that the breach of any provision thereof shall be punished with fine which may extend to fifty rupees.

8. Every committee shall be a body corporate by the name of [Act 1883, s. 13] the municipal committee of its municipality, shall have perpetual succession and a common seal, with power to acquire and hold property, both moveable and immoveable, and, subject to the rules under section 113, to transfer any property held by it, and to contract and to do all other things necessary for the purposes of its constitution, and may sue and be sued in its corporate name.

9. (1) There shall be a president and vice-president of every committee. [Act 1873, s. 6.] Appointment of president and vice-president.

(2) The Local Government may appoint the president or vice-president, or both of them, or may authorize any committee to elect its president or vice-president, or both of them, subject to such rules as may be prescribed in this behalf.

(3) The election of a president or vice-president shall not be valid until it has been confirmed by the Local Government and has been notified in the official Gazette.

(4) A president and vice-president shall hold office for such term as may be prescribed.

(5) When a person not already a member of the committee is appointed or elected president or vice-president, he shall, notwithstanding anything in the foregoing sections, become a member of the committee by virtue of his appointment or election, and shall continue to be a member so long as he holds office as president or vice-president. [Act XI, 1883, s. 24.]

10. The Local Government may, at any time, [Act XI, 1883, s. 13.] remove the president or vice-president or any other member of a committee—

- (a) if he refuses to act or becomes incapable of acting, or is declared insolvent, or is convicted of any such offence, or subjected by a Criminal Court to any such order, as implies, in the opinion of the Local Government a defect of character which unfits him to be the president or vice-president or a member of the committee;
- (b) if he, without an excuse sufficient in the opinion of the Local Government, absents himself for more than three consecutive months from the meetings of the committee;

*The Central Provinces Municipal Bill.**(Chapter II.—Organisation of Committees.—Sections 11-19.)**Conduct of Business.*[Act XIII,
1884, s. 19.]

Ordinary and special meetings.

II. (1) A meeting of a committee shall be either ordinary or special.

(2) Any business may be transacted at an ordinary meeting unless it is required by this Act or the rules thereunder to be transacted at a special meeting.

[Act XIII,
1884, s. 18.]

12. (1) A committee shall meet for the transaction of business at least once in every month at such time as may, from time to time, be fixed by bye-laws under section 17.

(2) The president or, in his absence, the vice-president may, whenever he thinks fit, and shall, on a requisition made in writing by not less than one-fifth of the members of the committee, convene either an ordinary or a special meeting at any other time.

[Act XIII,
1884, s. 21.]

13. (1) At every meeting of a committee the president, if present, shall preside as chairman.

(2) If, when any meeting is held, the office of president is vacant, or the president is absent from the meeting, and the vice-president is present, the vice-president shall preside as chairman.

(3) In any case not provided for in the foregoing portion of this section, the members present shall elect one of their number to be chairman of the meeting.

[Act XIII,
1884, s. 20.]

14. (1) The quorum necessary for the transaction of business at a special meeting of a committee shall be one-half of the committee.

(2) The quorum necessary for the transaction of business at an ordinary meeting of a committee shall be such number or proportion of the members of the committee as may, from time to time, be fixed by bye-laws under section 17, but shall be not less than three:

Provided that, if at any ordinary or special meeting of the committee a quorum is not present, the chairman shall adjourn the meeting to such other day as he thinks fit, and the business which would have been brought before the original meeting if there had been a quorum present shall be brought before, and transacted at, the adjourned meeting, whether there is a quorum present thereat or not.

[Act XIII,
1884, s. 22.]

15. Except as otherwise provided by this Act or by rules or bye-laws thereunder, all questions which come before any meeting of a committee shall be decided by a majority of the votes of the members present, and, in case of an equality of votes, the chairman of the meeting shall have a second or casting vote.

[Act XIII,
1884, s. 23.]

16. (1) Minutes of the proceedings at each meeting of a committee shall be recorded in a book to be kept for the purpose, shall be signed by the chairman of the meeting or of the next ensuing meeting, shall be pub-

(2) A copy of every resolution passed by a committee at a meeting shall, within three days from the date of the meeting, be forwarded to the Deputy Commissioner of the district.

17. Every committee may, from time to time, at a special meeting, with the previous sanction of the Local Government, make bye-laws for conduct of business. Bye-laws consistent with this Act and the rules thereunder for regulating—

- (a) the time and place of its meetings;
- (b) the conduct of its business;
- (c) the quorum necessary for the transaction of business at ordinary meetings;
- (d) the division of duties among the members of the committee;
- (e) the duties, salaries, appointment, suspension, fining and removal of the officers and servants of the committee;
- (f) the persons by whom receipts may be granted on behalf of the committee for money received under this Act; and
- (g) all other similar matters.

Joint Committees.

18. (1) A committee may, from time to time, concur with any other committee, or with a district council, or with an independent local board, or with a cantonment-authority, or with more than one such committee, council, board or authority, in appointing, out of their respective bodies, a joint committee for any purpose in which they are jointly interested, and in appointing a chairman of the joint committee, and in delegating to any such joint committee any power which might be exercised by either or any of the committees, councils, boards or authorities, and in framing and modifying regulations as to the proceedings of any such joint committee, and as to the conduct of correspondence relating to the purpose for which the joint committee is appointed.

(2) If any difference of opinion arises between committees, councils, boards or authorities acting under this section, the decision thereon of the Commissioner of the division if the areas under the committees, councils, boards or authorities are in the same division, or of the Local Government if those areas are in different divisions, shall be final.

Secretaries.

19. (1) Every committee shall, from time to time, at a special meeting, and subject to the approval of the Local Government, appoint one or more of its members, or, with the sanction of the Local Government, any other person or persons to be its secretary or secretaries, and may at a like meeting and subject to the like approval remove any person so appointed.

(2) When a member of the committee is appointed to be secretary he shall receive no remuneration in respect of his services. In

The Central Provinces Municipal Bill.

(Chapter II.—Organisation of Committees.—Sections 20-23. Chapter III.—Taxation and Municipal Fund.—Sections 24-25.)

Contracts.

X. Act 20. (1) A committee may delegate to one or
III, 1884. Authority to contract. more of its members or to a
21. secretary the power of enter-
[Act XIII, s. 39.] ing on its behalf into any particular contract
whereof the value or amount does not exceed
two hundred rupees or into any class of such
contracts.

(2) A contract whereof the value or amount
exceeds two hundred rupees shall not be enter-
ed into until it has been sanctioned by the com-
mittee at a meeting.

Act XV, 21. (1) Every contract made by or on behalf
[Act XIII, s. 40.] of a committee whereof the
contracts. value or amount exceeds
twenty rupees shall be in writing.

(2) Every such contract shall be signed by
the president or vice-president and a secretary :

Provided that the committee may delegate to
one or more of its members or to a secretary the
power of signing any contracts which he or
they is or are empowered to enter into under
section 20, sub-section (1).

(3) If a contract to which this section applies
is entered into otherwise than in conformity
therewith, it shall not be binding on the com-
mittee.

Privileges and Liabilities.

[Act XI, 22. (1) No suit shall be instituted against a
1873, s. 19. committee or any of its
modified.] Bar of suit in ab- officers or any person act-
sence of notice. ing under its direction for
anything done or purporting to be done under
this Act, until the expiration of two months
next after notice in writing has been, in the
case of a committee, delivered or left at its office
and, in the case of an officer or person, delivered
to him or left at his office or usual place of abode,
stating the cause of action, the relief which he
claims and the name and place of abode of the
intended plaintiff.

(2) Unless service of such notice be proved
the Court shall dismiss the suit.

(3) Every suit shall be commenced within
four months of the accrual of the alleged cause
of action.

(4) If it is proved to the satisfaction of the
Court that before the suit was brought tender of
sufficient amends had been made to the plaintiff,
the plaintiff shall not recover his costs or anything
beyond the amount of such tender, and shall
defray the costs of the defendant in the suit.

[Act XIII, 24, s. 36.] (5) This section shall not apply to any suit
[1 of 1877.] instituted under section 54 of the Specific Relief
Act, 1877.

Act XV, 23. Every person shall be liable for the loss,
[Act XIII, s. 66.] Liability of members waste or misapplication of
for loss, waste or mis- any money or other proper-
application. ty belonging to, or under
the control of, the committee, if such loss, waste
or misapplication is a direct consequence of his
neglect or misconduct while a member of the
committee, and a suit for compensation for the

CHAPTER III.

TAXATION AND MUNICIPAL FUND.

Taxation.

24. Subject to any general rules or special [Act XIII, 1884, s. 39.]
Taxes which may be orders which the Governor imposed. General in Council may
make in this behalf, a committee may, for
the purposes of this Act, impose, with the
sanction hereinafter specified in each case and
in manner prescribed by section 25, any of
the following taxes, namely :—

(1) with the previous sanction of the Local
Government,—

(a) a tax on houses, buildings or lands situate
within the municipality, not exceeding
seven and a half per centum of the gross
annual letting value of the houses, build-
ings or lands ;

(b) a tax on persons occupying houses, build-
ings or lands within the municipality ac-
cording to their circumstances and
property within the municipality ;

(c) a tax on persons exercising any profession
or art, or carrying on any trade or
calling, in the municipality ;

(d) a tax on all or any vehicles or animals
used for riding, driving, draught or bur-
den when such vehicles or animals are
kept within the municipality ;

(e) a tax on vehicles and animals used as
aforesaid entering the municipality, and
on boats moored therein ;

(f) an octroi on goods or animals brought
within the municipality for consumption
or use therein ;

(g) market-dues on dealers using any build-
ing, structure, market, bazar or ganj
belonging to or under the control of the
committee, or exposing goods for sale in
any place belonging to the Government
or to the committee or under its control ;

(h) fees on the registration of cattle sold with-
in the municipality ;

(i) a latrine or conservancy cess upon private
latrines, premises or compounds cleansed
by municipal servants, or a cess for the
use of public latrines ; and

(j) a water-rate when water is supplied by
the committee :

(2) with the previous sanction of the Local
Government and of the Governor General in
Council, any other tax.

25. (1) A committee may resolve at a special [Act XV, 1883, s. 42.]
meeting to propose the imposition of any tax for
the purposes of this Act.

(2) When a resolution has been passed under
sub-section (1) the committee shall publish in
manner prescribed a notice defining the class
of persons or description of property proposed
to be taxed, the amount or rate of the tax to
be imposed, and the system of assessment
to be adopted.

(3) Any inhabitant of the municipality object-
ing to the proposed tax may, within a month
from the publication of the notice, submit his
objection in writing to the committee. and the

*The Central Provinces Municipal Bill.**(Chapter III.—Taxation and Municipal Fund.—Sections 26-32.)*

or if the objections so submitted, having been considered as aforesaid, are deemed insufficient, the committee may forward its proposals to the Local Government with the objections, if any, which have been submitted as aforesaid.

(5) The Local Government on receiving proposals under sub-section (4) may sanction the same, or refuse to sanction them, or return them to the committee for further consideration.

(6) When the Local Government sanctions any proposals which, under section 24, clause (2), require the further sanction of the Governor General in Council, it shall submit those proposals to the Governor General in Council, with the objections, if any, received through the committee; and the Governor General in Council may sanction the proposals, or refuse to sanction them, or return them to the Local Government for further consideration.

(7) When the proposals of the committee have been sanctioned by the Local Government or by the Local Government and the Governor General in Council, as the case may be, the committee may, at a special meeting, direct the imposition of the tax in accordance with those proposals from such date as may be sanctioned by the Local Government.

XV, 26. A tax imposed under this Act shall not
s. 43: Tax not invalid for be invalid for defect of
XIII, defect of form. form, and, when any property
s. 46.] is described for the purpose of assessing any
such tax, it shall be sufficient to describe it so
that it shall be generally known, and it shall
not be necessary to name the owner or occupier.

XIII, 27. Any tax imposed under the foregoing sections
s. 47.] Taxes when payable. and payable periodically shall be payable on
such dates and in such instalments, if any, as
the committee, with the previous sanction of the
Local Government, may, by rule, from time to
time direct.

XIII, 28. A committee, by a resolution passed at a
s. 48.] Power to abolish or special meeting and con-
reduce tax. firmed by the Local Govern-
ment, may abolish or re-
duce any tax imposed under the foregoing sections
or suspend the operation of any tax within
any part of the municipality for any specified
period.

Act XIII, 29. For reasons to be recorded in writing
s. 45 Power of Local Gov. the Local Government may
s. 46.] ernment to abolish exercise the powers con-
or reduce tax. ferred on a committee by
the last foregoing section.

Act XV, 30. (1) Arrears of any tax imposed under this
s. 46: Recovery of taxes. Act may be recovered, on
XIII, application to a Magistrate-
s. 47.] having jurisdiction within the limits of the
municipality, by the distress and sale of any
moveable property belonging to the defaulter
within those limits.

(2) If the arrear is due in respect of immove-
able property, it shall, subject to any claim on
behalf of Her Majesty, be a first charge on the
property and shall be recoverable, on application
made in this behalf by the committee to the

Provided that nothing in this sub-section shall
authorize the arrest of a defaulter.

Municipal Fund and Property.

31. There shall be formed for each muni- [Act XIII,
cipality a municipal fund, 1884, s. 67.
Constitution of muni- and there shall be placed
cipal fund. to the credit thereof—

(a) all sums received by or on behalf of the
committee;

(b) all fines recovered from persons convicted
of offences committed within the muni-
cipality against this Act or the rules
thereunder or against section 34 of Act
V of 1861 (*for the Regulation of
Police*) or against Act III of 1867 (*to
provide for the punishment of public
gambling and the keeping of common
gaming-houses*).

32. (1) The committee shall set apart and [Act XIII,
apply annually out of the 1884, s. 68.]
Application of fund. municipal fund—

(a) *first*, such sum as may be required for the
payment of any amounts falling due on
any loan legally contracted by it;

(b) *secondly*, such sum as may be required to
meet the charges of its own establish-
ment, and such sum as may be required
for the maintenance of a police estab-
lishment under Chapter IV;

(c) *thirdly*, such sum as may be required to
pay the expenses of pauper lunatics
sent to public asylums from the muni-
cipality, the expenses incurred in audit-
ing the accounts of the committee,
and such portion of the cost of the
Provincial Departments for Education,
Sanitation, Vaccination, Medical Relief
and Public Works as may be held by
the Local Government to be equitably
debtible to the committee in return for
services rendered to it by these Depart-
ments.

(2) Subject to the charges specified in sub-
section (1) and to such rules as the Local Gov-
ernment may make with respect to the prior-
ity to be given to the several duties of the
committee, the municipal fund shall be applic-
able to the payment, in whole or in part, of the
charges and expenses incidental to the follow-
ing matters within the limits of the municipality,
and, with the sanction of the Commissioner of
the division, to the payment of the like charges
and expenses outside those limits when such ap-
plication of the fund is for the benefit of the
inhabitants of the municipality, namely:—

(a) the construction, maintenance, improve-
ment, cleansing and repair of streets
and public bridges, embankments, drains,
latrines, tanks and water-courses;

(b) the watering and lighting of the streets
or any of them;

(c) the construction, establishment and main-
tenance of schools, hospitals and dispen-
saries, and other institutions for the pro-
motion of education or for the benefit
of the public health, and of rest-houses,
sarais, poor-houses, markets, encamping-
grounds, pounds and other works of

*The Central Provinces Municipal Bill.**(Chapter III.—Taxation and Municipal Fund.—Sections 33-34. Chapter IV.—Municipal Police.—Sections 35-37.)*

- (d) grants-in-aid to schools, hospitals, dispensaries, poor-houses, leper-asylums and other educational or charitable institutions;
- (e) the training of teachers and the establishment of scholarships;
- (f) the giving of relief and the establishment and maintenance of relief-works in time of famine or scarcity;
- (g) the supply, storage and preservation from pollution of water for the use of men or animals;
- (h) the planting and preservation of trees;
- (i) the taking of a census, and the registration of births, marriages and deaths;
- (j) public vaccination and any other sanitary measure;
- (k) the holding of fairs and industrial exhibitions; and
- (l) all acts and things likely to promote the safety, health, welfare or convenience of the inhabitants.

[Act XIII,
1884, s. 69.]

33. (1) In places where there is a Government treasury or sub-treasury, or a bank to which the Government treasury business has been made over, the municipal fund shall be kept in the treasury, sub-treasury or bank.

(2) In places where there is no such treasury or sub-treasury or bank, the municipal fund may be deposited with any banker, or person acting as a banker, who has given such security for the safe custody and repayment on demand of the fund so deposited as the Local Government may in each case think sufficient.

[Act XIII,
1884, s. 70.]

(3) A committee may, from time to time, with the previous sanction of the Local Government, invest any portion of its municipal fund in securities of the Government of India or such other securities as the Governor General in Council may approve in this behalf, and vary such investments for others of the like nature. The income resulting from the securities and proceeds of the sale of the same shall be credited to the municipal fund.

[Act XIII,
1884, s. 71.]

34. (1) All streets, roads and bridges over which the public have a right of way, all tanks, wells, gháts, channels, sewers and drains within the municipality, not being private property or specifically excepted by an order of the Local Government, together with the pavements, stones and other materials thereof, and all erections, materials, implements and other things provided therefor, shall vest in and belong to the committee and shall be held and applied by it for the purposes of this Act.

[X. Mad. Act
7, 1884, ss.
1-24.]

(2) The Local Government may, by notification in the official Gazette, direct that any property which has vested under sub-section (1) in the committee shall cease to be so vested, and thereupon the property specified in the notification shall cease to be so vested, and the Local Government may pass such orders as it thinks

CHAPTER IV.

MUNICIPAL POLICE.

35. (1) Every committee shall, unless it is relieved of this obligation by the Local Government, maintain a sufficient police-establishment for police requirements within municipal limits and for the performance of the duties imposed on the committee by this Act.

(2) Subject to the provisions of the Cantonments Act, 1880, the establishment maintained under sub-section (1) shall, as the committee with the approval of the Local Government may, from time to time, determine, be either a body of watchmen or a part of the general police-force under the Local Government within the meaning of section 2 of Act V of 1861, or partly one and partly the other; and it shall consist of such number of officers and men, and the officers and men shall receive such pay, leave-allowances, gratuities and pensions, as the committee may, from time to time, after consultation with the District Magistrate and the Inspector General of Police, and subject to the final decision of the Local Government, direct.

36. (1) The Local Government may relieve any committee of the whole or a part of the cost of the police-establishment, and may enter into a contract with the committee, on such terms as may be agreed on, that, in consideration of such relief, the committee shall pay periodically a sum not exceeding the amount thereof, or undertake any services within the municipality to which the municipal fund can properly be applied, and which are estimated to cost not more than the amount of the relief.

(2) When a committee is relieved under this section of the whole or a part of the cost of the police-establishment, the Local Government shall maintain such police-establishment as it considers necessary, and, subject to the provisions of the Cantonments Act, 1880, the establishment so maintained may be either a body of watchmen or a part of the general police-force under the Local Government within the meaning of section 2 of Act V of 1861, or partly one and partly the other.

37. (1) If the establishment maintained under this Chapter is wholly or in part a body of watchmen, the watchmen shall—

- (a) be under the orders of the District Superintendent of Police subject to the general control of the District Magistrate;
- (b) be appointed and promoted, and be liable to dismissal, suspension, reduction or fine, under such rules as the Local Government may make in this behalf;
- (c) perform such duties as the Local Government may, subject to the provisions of this Act, direct; and
- (d) possess the same powers, be entitled to the same assistance, enjoy the same protection, be subject to the same re-

The Central Provinces Municipal Bill.

(Chapter IV.—Municipal Police.—Sections 38-39. Chapter V.—Powers for Sanitary and other Purposes.—Sections 40-47.)

(a) Any person obstructing any such watchman in the discharge of his duties may be arrested without warrant by a police-officer or by any such watchman.

Act XIII, 38. If the establishment maintained under this Chapter or any portion of such establishment is part of the general police-force, the Local Government may, notwithstanding anything in Act V of 1861 or in any other Act for the time being in force, define, subject to the provisions of this Act, the duties which the officers and men of the establishment or such portion thereof may or may not be required to perform.

Act XIII, 39. When special police-protection is, in the opinion of the Local Government, requisite on the occasion of any fair, agricultural show or industrial exhibition managed by a committee, the Local Government may provide such protection, and the committee shall pay the whole charge thereof or such portion of the charge as the Local Government may consider equitably debitable to it.

CHAPTER V.

POWERS FOR SANITARY AND OTHER PURPOSES.

Streets and Buildings.

Act XIII, 40. When any land is required for a new street or for the improvement of an existing street, the committee may proceed to acquire, in addition to the land to be occupied by the street, the land necessary for the sites of the buildings to be erected on the sides of the street.

Act XIII, 41. The committee may close temporarily any street or any part thereof for the purpose of repairs, or for the purpose of constructing or repairing any sewer, drain, culvert or bridge, or for any other public purpose, and may divert, discontinue or permanently close any street vested in the committee and sell the land or such part thereof as is not required for the purposes of this Act.

Act XIII, 42. The committee may grant permission in writing for the temporary occupation of any street or land vested in it for the purpose of depositing any building-materials or making any temporary excavation thereon or erection thereon, subject to such conditions as it may prescribe for the safety or convenience of persons passing by or dwelling or working in the neighbourhood, and may charge fees for such permission, and may at its discretion withdraw the permission.

Act XIII, 43. The committee may attach to the outside of any building brackets for lamps in such manner as not to occasion any injury thereto or inconvenience.

Act XIII, 44. (1) The committee at a meeting may cause a name to be given to any street, and to be affixed on any building in

number to be affixed to any building; and in like manner may, from time to time, cause such names and numbers to be altered.

(2) Whoever destroys, pulls down or defaces any such name or number, or puts up any different name or number, from that put up by order of the committee, shall be punished with fine which may extend to twenty rupees.

45. The committee at a meeting may direct that, within certain limits, the roofs and external walls not to be made of inflammable materials, shall not be made or renewed of grass, mats, leaves or other highly inflammable materials unless with the permission of the committee in writing; and the committee may, by written notice, require any person who has disobeyed any such direction to remove or alter as it may think fit the roofs or walls so made or renewed.

46. (1) If any building or part of a building projects beyond the front of the building on either side thereof, or beyond the regular line of a street, either existing or determined on for the future, the committee may, whenever the building or part has been either entirely or in greater part taken down or burnt down or has fallen down, require by notice the building or part, when being re-built, to be set back to or towards the said regular line or the front of the adjoining buildings; and the portion of the land added to the street by such setting back or removal shall become part of the street and shall vest in the committee.

Provided that the committee shall make full compensation to the owner for any damage he may sustain in consequence of his building or any part thereof being set back.

(2) The committee may, on such terms as it thinks fit, allow any building to be set forward for the improvement of the line of the street.

47. (1) Every person intending to erect or re-erect any building shall, if required to do so by rule made by the committee in this behalf, give notice in writing of his intention to the committee, and shall, if required to do so, submit a plan showing the levels at which the foundation and lowest floor are proposed to be laid, and specifications of the works intended to be constructed, and the materials to be used, and shall obey all written directions consistent with this Act, which may be given by the committee within one month after receiving such notice, either prohibiting the erection or re-erection, if deemed likely to be injurious to the inhabitants of the neighbourhood, or in respect of all or any of the matters following, namely:—

(a) free passage or way in front of the building;

(b) space to be left about the building to secure free circulation of air and facilitate scavenging;

(c) ventilation and drainage;

(d) level and width of foundation, level of lowest floor and stability of structure;

The Central Provinces Municipal Bill.

(Chapter V.—Powers for Sanitary and other Purposes.—Sections 48-53.)

(e) the line of frontage with neighbouring buildings, if the building abuts on a street :

Provided that the committee shall make full compensation to the owner for any damage he may sustain in consequence of the prohibition of the re-erection of any building, or of the committee requiring any land belonging to him to be added to the street.

(2) If any such building is re-erected or erected, wholly or in part, without such notice being given, or without the submission of particulars as aforesaid when required, or in contravention of the lawful directions of the committee issued within one month, the committee may by notice require the building to be altered or demolished, as it may deem necessary.

Explanation.—The expression "erect any building" includes erecting any wall and all additions and alterations which involve new foundations or increased superstructure on existing foundations, or the conversion into a dwelling-house of any building not originally constructed for human habitation, or the conversion into more than one dwelling-house of a building originally constructed as one dwelling-house only.

[Act XIII, 1884, s. 89.] 48. (1) It shall not be lawful, unless with the written permission of the committee, for the owner or occupier of any building

Removal of projections and obstructions. in a street to add to, or place against or in front of, the building any projection or structure overhanging, projecting into or encroaching on the street or into or on any drain, sewer or aqueduct therein.

(2) The committee may by notice require the owner or occupier of any building to remove or alter any projection, encroachment or obstruction built or placed against or in front thereof, if the same overhangs or projects into or encroaches on any street, or projects into or encroaches on any drain, aqueduct or sewer in the street :

Provided that, in the case of a projection, encroachment or obstruction being lawfully in existence at the time of the passing of this Act, the committee shall make reasonable compensation to any person who suffers damage by the removal or alteration.

(3) The committee may give written permission to the owners or occupiers of buildings in streets to put up open verandahs, balconies or rooms projecting from any upper storey thereof to an extent beyond the line of the plinth or basement-wall, and at a height from the level of the ground or street, to be specified in the written permission.

Bathing and Washing Places.

[Act XIII, 1884, s. 90.] 49. The committee may set apart suitable bathing and washing places for the purpose of bathing, and may specify the times at which, and the

sex of the persons by whom, such places may be used, and may also set apart suitable places for washing animals or clothes, or for any other purpose connected with the health, cleanliness or comfort of the inhabitants of the municipality; and may, by public notice, prohibit bathing, or washing animals or clothes in any public place

other than those specified, and all other acts not so permitted which may render water in public places foul or unfit for use or may cause inconvenience or annoyance to persons using the bathing or washing places.

Deposit of Offensive Matter and Slaughter-places.

50. The committee may fix places within or, with the approval of the Deputy Commissioner of the district, beyond the limits of the municipality for the deposit of refuse, rubbish or offensive matter of any kind or for the disposal of the dead bodies of animals, and may by public notice give directions as to the time, manner and conditions at, in and under which such refuse, rubbish or offensive matter or dead bodies of animals may be removed along any street and deposited at such places. [Act X 1884, s. 91]

51. (1) The committee may, with the approval of the Deputy Commissioner of the district, fix and abolish places either within or without the limits of the municipality for the slaughter of animals for sale, or of any specified description of such animals, and may with the like approval grant and withdraw licenses for the use of such places, or, if they belong to, or are under the control of, the committee, charge rent or fees for the use of the same. [Act X 1884, s. 92]

(2) When such places are fixed by the committee beyond municipal limits, it shall have the same power to make rules for the inspection and proper regulation of the same as if they were within those limits.

(3) When any such place has been fixed, no person shall slaughter for sale any such animal at any other place within the municipality.

(4) Whoever slaughters for sale any such animal at any other place within the municipality shall be punished with fine which may extend to twenty rupees.

52. (1) Whenever it appears to the Deputy Commissioner of the district to be necessary for the preservation of the public peace or order, he may, with the previous sanction of the Commissioner of the division, prohibit or regulate the slaughter of animals, or of any specified description of animals, for purposes other than sale, and prescribe the mode and route in and by which meat shall be conveyed from the place where such animals are slaughtered. [New.]

(2) Whoever slaughters any animal or conveys meat from the place of slaughter contrary to any prohibition, regulation or order under sub-section (1) shall be punished with fine which may extend to fifty rupees.

Burial and Burning Places.

53. (1) The committee may by public notice order any burial or burning ground which is, in its opinion, dangerous to the health of persons living in the neighbourhood to be closed from a date to be specified in the notice, and shall in such case, if no suitable place for burial or burning exists within a reasonable distance, provide a fitting place for the [Act X 1884, s. 93]

The Central Provinces Municipal Bill.

(Chapter V.—Powers for Sanitary and other Purposes.—Sections 54-60.)

(a) Private burial-places in such burial-grounds may be excepted from the notice, subject to such conditions as the committee may impose in this behalf :

Provided that the limits of such burial-places are sufficiently defined, and that they shall only be used for the burial of members of the family of the owners thereof.

(3) No burial or burning ground, whether public or private, shall be made or formed, after the commencement of this Act, without the permission in writing of the committee.

(4) If any person buries or burns, or causes or permits to be buried or burnt, any corpse in any burial or burning ground made or formed contrary to the provisions of this section, or after the date fixed thereunder for closing the same, he shall be punished with fine which may extend to fifty rupees.

† XIII, 54. The committee may by public notice pre-
4, s. 94.] Removal of corpses. scribe routes for the removal of corpses to burial or burning places.

Inflammable Materials.

† XIII, 55. The committee may, where it appears to
4, s. 95.] Inflammable materials. it to be necessary for the prevention of danger to life or property, by public notice prohibit all persons from stacking or collecting dry grass, straw or other inflammable materials, or placing mats or thatched huts or lighting fires in any place or within any limits specified in the notice.

Powers of Entry and Inspection.

ct XIII, 56. (1) The committee, by any person author-
34, s. 96.] Inspection of drains, ized by it in this behalf, may, after giving six hours' notice in writing to the occupier of any building or land in which any drains, privies or cesspools are situate, inspect any such drains, privies or cesspools at any time between sunrise and sunset, and may, if necessary, cause the ground to be opened where the committee or person may think fit for the purpose of preventing or removing any nuisance arising from the privies, drains or cesspools.

(2) If, on such inspection, it appears that the opening of the ground was necessary for the prevention or removal of a nuisance, the expenses thereby incurred shall be paid by the owner or occupier of the building or land ; but, if it is found that no nuisance exists, or but for such opening would have arisen, the ground shall be closed and made good as soon as may be, and the expense of opening, closing and making it good shall be borne by the committee.

† XIII, 57. The committee, by any person authorized
4, s. 97.] Power to enter and inspect buildings. by it in this behalf, may, after giving twenty-four hours' notice to the occupier or, if there is no occupier, to the owner of any building, at any time between sunrise and sunset enter and inspect the building, and may by notice direct all or any part thereof to be forthwith internally or externally lime-washed, disinfected or otherwise cleansed for sanitary reasons.

XIII, 58. The committee, by any person authorized
98.] Other powers of entry by it in this behalf, may, after giving twenty-four

or, if there is no occupier, to the owner of any building or land, at any time between sunrise and sunset—

(a) enter on and survey and take levels of any land ;

(b) enter, inspect and measure any building for the purpose of valuation ;

(c) enter into any building or on any land for the purpose of examining works under construction, of ascertaining the course of sewers or drains or of executing or repairing any work which the committee is by this Act empowered to execute or maintain.

59. The committee, by any person authorized [Act XII
Power to enter for 1884, s. 99.] by it in this behalf, may, at any time between sunrise and sunset, enter and inspect any stable, coach-house or other place wherein there is reason to believe that there is any animal or vehicle which is liable to taxation under this Act and for which a license has not been duly taken out.

60. (1) The committee, by any person author- [Act XII
Power to inspect 1884, s. 100.] ed by it in this behalf, may, at all reasonable times, enter into and inspect any market, building, shop, stall or place used for the sale or storage of articles intended for food or drink for man, or as a slaughter-house, or for the sale of drugs, and inspect and examine any food or drink, animal or drug which may be therein ; and, if any article of food or drink or any animal therein appears to be intended for the consumption of man and to be unfit therefor, may seize and remove the same, or, if the owner or the person in whose possession the same is found consents, may cause it to be destroyed or to be so disposed of as to prevent its being exposed for sale or used for such consumption ;

and, in case any drug is reasonably suspected to be adulterated in such manner as to lessen its efficacy or to change its operation or to render it noxious, may remove the same, giving a receipt therefor, and may cause it to be brought before a Magistrate for enquiry whether any offence has been committed in respect thereof, and for his orders as to its disposal.

(2) If the owner or the person in whose pos- [Ben. Act
session any food or drink or animal which is 1886, s. 3.] seized under sub-section (1) does not consent to the destruction or disposal of the same, such owner or person shall, if it is proved that the food or drink or animal was intended for the consumption of man and is unfit therefor, be punished with fine which may extend to one hundred rupees.

(3) A person who is in possession of food or drink or of an animal as a carrier or bailee thereof shall not be liable to a fine under sub-section (2) ; but the Magistrate, on proof of the facts abovementioned, may order the food or drink or animal to be destroyed or to be so disposed of as to prevent its being exposed for sale or used for the consumption of man.

(4) If the committee, or any person authorized by it in this behalf, applies to purchase any article of food or drink exposed for sale, and tenders the price for a quantity such as

The Central Provinces Municipal Bill.

(Chapter V.—Powers for Sanitary and other Purposes.—Sections 61-70.)

of analysis, the person exposing the same for sale shall be bound to sell such quantity, and, if he refuses to do so, shall be punished with fine which may extend to fifty rupees.

[Act XIII, 1884, s. 101.]

61. (1) The committee may provide for the performance by its agents of the duties usually performed by sweepers, in respect of any building or land, or of any privy, drain, cesspool or other receptacle for offensive matter pertaining to any building or land, with the consent of the occupier of the building or land, or without such consent if the occupier fails to make arrangements to the satisfaction of the committee for the performance of such duties.

(2) When the committee has undertaken to provide for the performance by its agents of such duties as aforesaid, the persons employed by it to perform the same may enter on the property at all reasonable times so far as may be necessary for the proper discharge of those duties; and the committee, by any person authorized by it in this behalf, may enter on the property at all reasonable times for the purpose of ascertaining that such duties have been duly performed.

[Act XIII, 1884, s. 102.]

62. When any building used as a human dwelling is entered under this Act, due regard shall be paid to the social and religious sentiments of the occupiers; and before any apartment in the actual occupancy of any woman, who, according to custom, does not appear in public, is entered under this Act, notice shall be given to her that she is at liberty to withdraw, and every reasonable facility shall be afforded to her for withdrawing.

Water-pipes, Privies and Drains.

[Act XIII, 1884, s. 103.]

63. The committee may by notice require the owner of any building in any street to put up and keep in good condition proper troughs and pipes for receiving and carrying the water from the roof and other parts thereof and for discharging the same so as not to inconvenience persons passing along the street.

[Act XIII, 1884, s. 104.]

64. (1) The committee may by notice require the owner of any building to provide, in such manner as the committee directs, any privy or cesspool, or additional privies or cesspools, which should in the opinion of the committee be provided for the building.

(2) The committee may by notice require any persons employing more than twenty workmen or labourers to provide such latrines and urinals as it may think fit and to cause the same to be kept in proper order and to be daily cleaned.

(3) The committee may by notice require the owner or occupier of any building or land to have any privy provided for the same shut out by a sufficient roof and wall or fence from the view of persons passing by or dwelling in the neighbourhood, or to remove or alter, as the committee directs any door or transom of a

65. (1) The committee may by notice require the owner or occupier of any building or land to repair or alter or put in good order any drain, privy or cesspool, or to close any cesspool belonging thereto.

(2) The committee may by notice require any person who constructs any new drain, privy or cesspool without its permission in writing, or contrary to its directions or regulations or to the provisions of this Act, or who constructs, rebuilds or opens any drain, privy or cesspool which the committee has ordered to be removed or stopped up or not to be made, to remove the drain, privy or cesspool, or to make such alteration therein as the committee thinks fit.

66. The committee may by notice require any person who without its permission in writing newly erects or rebuilds any building over any public sewer, drain, culvert, water-course or water-pipe vested in the committee to pull down or otherwise deal with the building as it thinks fit.

67. The committee may by notice require any owner or occupier on whose land any drain, latrine, urinal, cesspool or other receptacle for filth or refuse for the time being exists within fifty feet of any spring, well, tank, reservoir or other source from which water is or may be derived for public use to remove or close the same within one week.

68. The committee may by notice require the owner or occupier of any building or land to cleanse, repair, cover, fill up or drain off any private tank, well, reservoir, pool or excavation therein which appears to the committee to be injurious to health or offensive to the neighbourhood:

Provided that, if for the purpose of effecting under this section any drainage it is necessary to acquire any land not belonging to such owner or occupier or to pay compensation to any other person, the committee shall provide the land or pay the compensation.

Dangerous Buildings and Places.

69. If any building, or any well, tank or other excavation, is for want of sufficient repair, protection or enclosure dangerous to persons passing by or dwelling or working in the neighbourhood, the committee may by notice require the owner or occupier thereof to repair, protect or enclose the same; and, if it appears to the committee to be necessary in order to prevent imminent danger, the committee shall forthwith take such steps as are necessary to avert the danger.

70. If any building, wall or structure or anything affixed thereto is deemed by the committee to be in a ruinous state or in any way dangerous, it may by notice require the owner or occupier thereof forthwith either to remove the same or to cause such repairs to be made to the building, wall or

*The Central Provinces Municipal Bill.**(Chapter V.—Powers for Sanitary and other Purposes.—Sections 71-78.)*

considers necessary for the public safety; and, if it appears to the committee to be necessary in order to prevent imminent danger, the committee shall forthwith take such steps as are necessary to avert the danger.

Buildings and Grounds in insanitary Condition.

Act XIII, 1884, s. 111.] 71. The committee may by notice require the owner or occupier of any land to clear away any land to clear away and noxious vegetation, remove any thick or noxious vegetation or undergrowth which appears to the committee to be injurious to health or offensive to the neighbourhood.

Act XIII, 1884, s. 112.] 72. The committee may by notice require the owner or occupier of any land to cut or trim, within three days, the hedges standing on the land and bordering on any street, or the branches of trees growing on the land and overhanging any street and obstructing the same or causing danger thereto, or so overhanging any well, tank or other source from which water is derived for public use as to be likely to pollute the water thereof.

Act XIII, 1884, s. 113.] 73. If the owner or occupier of any building or land suffers the same to be in a filthy or unwholesome state, the committee may by notice require him to cleanse the same or otherwise put it in a proper state within twenty-four hours.

Act XIII, 1884, s. 114.] 74. If any building appears to the committee to be unfit for human habitation in consequence of the want of proper means of drainage or ventilation or for other sufficient reason, the committee may by notice prohibit the owner or occupier of the building from using it for human habitation or suffering it to be so used, until the committee is satisfied that it has been rendered fit for such use.

Act XIII, 1884, s. 115.] 75. The committee may by notice require the owner or person claiming to be the owner of any building or land which, by reason of abandonment or disputed ownership or other cause, remains untenanted and thereby becomes a resort of idle and disorderly persons or otherwise a nuisance, to secure or enclose the same within a reasonable time specified in the notice.

Act XIII, 1884, s. 116.] 76. (1) If the Sanitary Commissioner reports that the cultivation of any description of crop or the use of any kind of manure or the irrigation of land in any specified manner in any place within the limits of any municipality is injurious to the health of persons dwelling in the neighbourhood, the Local Government may, by notification in the official Gazette, prohibit the cultivation of the crop, the use of the manure or the irrigation so reported to be injurious, or regulate it by imposing such conditions as may prevent the injury.

(2) When on any land to which the notification applies that description of crop has

notification with such continuity as the ordinary course of husbandry admits of, compensation shall be paid from the municipal fund to all persons interested in that land for any damage caused to them by the prohibition or regulation.

(3) If any person cultivates, uses manure or irrigates in disregard of the prohibition or conditions notified under sub-section (1), he shall be punished with fine which may extend to fifty rupees, and with a further fine which may extend to five rupees for every day after the first during which the offence is continued.

Offensive and Dangerous Trades.

77. (1) The owner or occupier of every place [Act XI 1884, s. 117] situate within the municipality and used for any of the following purposes, namely:—

melting tallow; or
boiling bones, offal or blood; or
as a soap-house, oil-boiling house, dyeing-house or tannery; or
as a brick kiln, pottery or limekiln; or
as any other manufactory or place of business from which offensive or unwholesome smells arise; or
as a yard or depot for trade in hay, straw, thatching-grass, wood or coal, or other dangerously inflammable material; or
as a store-house for kerosine, petroleum, naphtha or any inflammable oil, spirit or explosive substance;

shall register the same in a book to be kept by the committee for the purpose.

(2) No place shall be newly used for any of the said purposes except under a license from the committee, which shall be renewable annually.

(3) The license shall not be withheld unless the committee considers that the business which it is intended to establish or maintain would be offensive or dangerous to persons residing in or frequenting the immediate neighbourhood.

(4) The committee may charge fees for such licenses, and may impose such conditions in respect thereof as it may think necessary.

(5) Whoever, without such registration or without a license, uses any place for any such purpose shall be punished with fine which may extend to fifty rupees, and with further fine which may extend to ten rupees for every day during which the offence is continued after he has been convicted of such offence.

78. (1) If it is shown to the satisfaction of the committee, at a meeting, [Act XI 1884, s. 117] that any place registered or licensed under the last foregoing section is a nuisance to the neighbourhood or likely to be dangerous to life, health or property, the committee may by notice require the occupier of the place to discontinue the use thereof, or to use the place in such manner as will, in the opinion of the committee, render it no longer a nuisance or dangerous.

(2) Whoever, after such notice has been given, uses the place or permits it to be used in such a manner as to be a nuisance to the neighbourhood or dangerous, shall be punished, with fine

*The Central Provinces Municipal Bill.**(Chapter V.—Powers for Sanitary and other Purposes.—Sections 79-83.)*

rupees for every day during which the offence is continued after he has been convicted of such offence.

Power to make and enforce Rules.

[Act XIII,
1884, s. 119.]

79. (x) A committee may, from time to time, at a special meeting, make rules consistent with this Act—

(a) for protecting from injury or interference anything within the municipality being the property of Her Majesty or of the committee;

(b) for prohibiting or controlling the establishment or maintenance of markets, sarāis and halting-places and controlling the management of the same and of any places of public entertainment and resort;

[New.]

(c) for licensing, controlling and regulating the practice of brokers, measurers and weighmen practising their calling in public places within the municipality;

[New.]

(d) for prescribing the standard weights and measures to be used within the municipality;

(e) for controlling and regulating the use and management of burial and burning grounds;

[New.]

(f) for prescribing the means by which the owner or occupier of any place which is a factory within the meaning of the Indian Factories Act, 1881, is to provide for the consumption of the smoke of any chimney or furnace so as to prevent the smoke from being a nuisance to any person in the neighbourhood;

XV of 1881.

(g) for rendering licenses necessary for the proprietors or drivers of vehicles, boats or animals plying for hire within the limits of the municipality, and fixing the fees payable for such licenses and the conditions on which they are to be granted and may be revoked;

(h) for limiting the rates which may be demanded for the hire of any carriage, cart, boat or other conveyance, or of animals hired to carry loads, or for the services of persons hired to carry loads where those conveyances, animals or persons are hired within the municipality for a period not exceeding twenty-four hours, or for a service which would ordinarily be performed within twenty-four hours;

(i) for securing a proper registration of births, marriages and deaths;

(j) for the proper regulation of buildings let in lodgings or occupied by more than one family;

(k) for the supervision and regulation of public cisterns, water-standards, wells, tanks, springs or other sources of public water-supply; and, when water is supplied from a public source to any private premises, for regulating and controlling such supply;

(l) when the collection of an octroi-tax has been sanctioned, for fixing octroi limits

(2) In making any rule under this section a committee may direct that a breach of it shall be punished with fine which may extend to fifty rupees, and, when the breach is a continuing breach, with further fine which may extend to five rupees for every day after the first during which the breach continues.

(3) A rule under this section shall not come into force until it has been confirmed by the Local Government and published for the prescribed time and in the prescribed manner.

(4) Notwithstanding anything in the foregoing portion of this section, the committee of a municipality in which the Hackney-carriage Act, 1879, is in force shall not make rules under XIV of it sub-section (x) in respect of any vehicles to which that Act applies.

80. Subject to any orders which the Local Government may make in this behalf, a committee may order any person not to do, or not to omit to do, within the municipality anything the doing of, or the omission to do, which is a public nuisance under the Indian Penal Code.

81. (x) The Local Government may invest, within the limits of the municipality, a committee with the powers of a District Magistrate as described in section 133 of the Code of Criminal Procedure, 1882, and with power to make conditional orders of the nature referred to in that section, in respect of all or any acts or omissions punishable under rules made in exercise of the power conferred by section 79, sub-section (x), clauses (a), (b), (c), (j) and (k).

(2) Sections 133 to 142 (both inclusive) of the Code of Criminal Procedure, 1882, shall, so far as they can be made applicable, apply to all proceedings taken in exercise of these powers:

Provided that, for the purposes of such proceedings, section 133 of the Code shall be read as if for the words "before himself or some other Magistrate of the first or second class" the words "before the District Magistrate or some Magistrate of the first or second class appointed by him in this behalf" were substituted.

(3) The Local Government may, whenever it thinks fit, withdraw the powers with which it has under this section invested a committee.

82. A committee may, at a special meeting, delegate to one or more sub-committees of its members any of the powers which are vested in the committee by section 80, or with which the committee may have been invested under section 81.

Supplemental.

83. (x) When any notice under this Chapter requires any act to be done for which no time is fixed by this Act, the notice shall fix a reasonable time for doing the same.

(2) When the owner or occupier of any

The Central Provinces Municipal Bill.

(Chapter V.—Powers for Sanitary and other Purposes.—Sections 84-86.
Chapter VI.—Offences affecting the Public Health, Safety or Convenience.—
Sections 87-91.)

committee may, after six hours' notice, cause the act to be done by its officers.

XII, s. 124.] 84. (1) Where the owner or occupier of property is required under this Act by the committee to execute any work and makes default in complying with the requisition, and the committee executes the work, the committee may recover the cost of the work from the person in default.

(2) If the person in default is the owner, the committee may, by way of additional remedy, recover the whole or any part of the cost from the occupier, and in such case the occupier may deduct any sum paid by him under this sub-section from the rent due or from time to time accruing due from him to the owner of the property in respect of which the payment is made, or may otherwise recover such sum from the owner.

(3) An occupier shall not be required to pay under sub-section (2) any greater sum than the amount of rent which is for the time being due from him to the owner, or which, after demand for payment of the money payable by him to the committee and notice not to pay rent without first deducting the amount so demanded, becomes payable by him to the owner, unless he refuses on application to him by the committee truly to disclose the amount of his rent and the name and address of the person to whom it is payable; but the burden of proof that the sum so demanded by the committee from the occupier exceeds the rent which was due at the time of the demand, or which has since accrued due, shall lie on the occupier.

(4) All money recoverable by a committee under this section may be recovered either by suit, or on application to a Magistrate having jurisdiction within the municipality by distress and sale of the moveable property of the person from whom the money is recoverable, and if payable by the owner of property shall, until it is paid, be a charge on the property.

(5) Nothing in this section shall affect any contract between an owner and an occupier.

XIII, s. 125.] 85. (1) The committee may make compensation out of the municipal fund to any person sustaining any damage by reason of the exercise of any power vested in the committee, its officers or servants, under this Act, and shall, subject to the other provisions of this Act, make such compensation where the person sustaining the damage was not himself in default in the matter in respect of which the power was exercised.

(2) If any dispute arises touching the amount of any compensation which the committee is required by this Act to pay for injury to any building or land, it shall be settled in such manner as the parties may agree, or, in default of agreement, in the manner provided by the Land-acquisition Act, 1870, sections 3, 8 to 42, 51 to 53, and 56 to 59, so far as they can be made applicable.

XIII, s. 126.] 86. (1) Any person aggrieved by any order made by a committee under the powers vested in it by

no such order shall be liable to be called in question otherwise than by such appeal:

Provided that, if the Deputy Commissioner is himself a member of the committee, the appeal shall lie to the Commissioner of the division or other officer empowered by the Local Government in this behalf.

(2) The appellate authority may, for sufficient cause, extend the period hereby allowed for appeal.

(3) The order of the appellate authority confirming, setting aside or modifying the order appealed against shall be final:

Provided that the order appealed against shall not be confirmed, set aside or modified until the appellant and the committee have had reasonable opportunity of being heard.

CHAPTER VI.

OFFENCES AFFECTING THE PUBLIC HEALTH, SAFETY OR CONVENIENCE.

87. Whoever, without the permission of the committee or in disregard of its orders, throws or deposits, or permits his servants or members of his household under his control to throw or deposit, earth or materials of any description, or refuse, rubbish or offensive matter of any kind, upon any public street or place, or into any public sewer or drain or any drain communicating therewith, shall be punished with fine which may extend to twenty rupees. [Act XII 1884, s. 127.]

Penalty for depositing or throwing earth or materials or refuse, rubbish or offensive matter on roads or into drains.

88. Whoever, without the permission of the committee, causes or allows the water of any sink, sewer or cesspool, or any other offensive matter, to flow, drain or be put upon any street or public place or into any sewer or drain not set apart for the purpose, shall be punished with fine which may extend to twenty rupees. [Act XI 1884, s. 126.]

89. Whoever, being the owner or occupier of any building or land, keeps or allows to be kept for more than twenty-four hours, or otherwise than in some proper receptacle, any dirt, dung, bones, ashes, nightsoil or filth or any noxious or offensive matter in or upon such building or land, or suffers any such receptacle to be in a filthy or noxious state, or neglects to employ proper means to cleanse and purify the same, shall be punished with fine which may extend to fifty rupees. [Act XII 1884, s. 125.]

90. Whoever, without the permission of the committee, makes or causes to be made, or alters or causes to be altered, any drain leading into any of the channels, sewers or drains vested in the committee, shall be punished with fine which may extend to fifty rupees. [Act XII 1884, s. 126.]

91. Whoever makes, without the permission of the committee, or keeps for a longer time than one week after notice to re-

Penalty for making or keeping latrines

*The Central Provinces Municipal Bill.**(Chapter VI.—Offences affecting the Public Health, Safety or Convenience.—
Sections 92-105.)*

receptacle for filth or refuse within fifty feet of any spring, well, tank, reservoir or other source from which water is or may be derived for public use, shall be punished with fine which may extend to twenty rupees, and, when a notice has issued, with further fine which may extend to five rupees for each day during which the offence is continued after the lapse of the period allowed for removal.

[Act XIII, 1884, s. 132.] 92. Whoever keeps any swine in disregard of any orders which the committee may give to prevent them from becoming a nuisance, or keeps any other animals so as to be injurious to health or to become a nuisance, shall be punished with fine which may extend to twenty rupees, and with further fine which may extend to five rupees for every day after the first during which the offence is continued.

[Act XIII, 1884, s. 133.] 93. Whoever feeds or allows to be fed on deleterious substances, filth or refuse of any kind any animal which is kept for dairy purposes or may be used for food shall be punished with fine which may extend to fifty rupees.

[Act XIII, 1884, s. 134.] 94. Whoever drives any vehicle of any kind after dark in any street unless the vehicle is properly supplied with lights or there is sufficient moonlight to render lights unnecessary, shall be punished with fine which may extend to twenty rupees.

[Act XIII, 1884, s. 135.] 95. Whoever discharges fire-arms or lets off fire-works or fire-balloons, or engages in any game, in such a manner as to cause or be likely to cause danger to persons passing by or dwelling or working in the neighbourhood, or risk of injury to property, shall be punished with fine which may extend to twenty rupees.

[Act XIII, 1884, s. 136.] 96. Whoever, being an elephant-driver or camel-driver, omits on being requested to do so to remove his elephant or camel to a safe distance on the approach of a horse, whether ridden or driven, shall be punished with fine which may extend to twenty rupees.

[Act XIII, 1884, s. 137.] 97. Whoever, contrary to any orders of the committee, takes an elephant along a street shall be punished with fine which may extend to twenty rupees.

[N.W. P. & Oudh Model Rules, No. 13.] 98. Whoever, contrary to any orders of the committee made with the sanction of the Deputy Commissioner of the district, beats any drum or sounds any musical instrument so as to cause annoyance to the public shall be punished with fine which may extend to twenty rupees.

[Act XIII, 1884, s. 138.] 99. Whoever, being the owner or person in charge of any dog which is likely to annoy or intimi-

be punished with fine which may extend to twenty rupees.

100. Whoever, without the permission of the committee, alters, obstructs or encroaches upon any street, public sewer, drain or water-course, or displaces, takes up or alters the pavement or other materials or the fences or posts of any street or public place, or deposits building-materials or makes any hole or excavation on or in any street, shall be punished with fine which may extend to fifty rupees.

101. Whoever quarries, blasts, cuts timber or carries on building-operations in such a manner as to cause, or be likely to cause, danger to persons passing by or dwelling or working in the neighbourhood, shall be punished with fine which may extend to fifty rupees.

102. Whoever, contrary to the orders of the committee, pickets animals or collects carts on any public ground, or uses any such ground as a halting-place for vehicles or animals of any kind or as a place of encampment, or causes or permits animals to stray, shall be punished with fine which may extend to twenty rupees.

103. Whoever carries a corpse along a route prohibited by the committee or in a manner likely to cause annoyance to the public shall be punished with fine which may extend to ten rupees.

104. Whoever, without being authorised by the committee, defaces or disturbs any direction-post or lamp-post, or extinguishes any light in any street or public place, shall be punished with fine which may extend to ten rupees.

105. (1) Whoever sells to the prejudice of any purchaser any article of food or drink of a nature different from the article demanded, or of the nature, substance or quality of the article demanded by such purchaser shall be punished with fine which may extend to one hundred rupees.

(2) The provisions of sub-section (1) shall not apply in the following cases, namely:—

(a) when any matter or ingredient not injurious to health has been added to the food or drink, in order to make the food or drink fit, as an article of commerce, for carriage or consumption, and not with intent fraudulently to increase the bulk, weight or measure of the food or drink or to conceal the inferior quality thereof;

(b) when the food or drink is unavoidably mixed with some extraneous matter in the process of collection or preparation.

The Central Provinces Municipal Bill.

(Chapter VI.—Offences affecting the Public Health, Safety or Convenience.
—Sections 106-107. Chapter VII.—Control.—Sections 108-111.)

XIII, 106. Whoever disobeys any lawful directions
144.] Penalty for disobedience to orders of committee not punishable under any other section.

given by the committee by public notice under the powers conferred upon the committee by the last foregoing Chapter, or any written notice lawfully issued by the committee under the powers so conferred, or fails to comply with the conditions subject to which any permission was given by the committee to him under those powers, shall, if the disobedience or omission is not an offence punishable under any other section, be punished with fine which may extend to fifty rupees, and, in the case of a continuing breach, with further fine which may extend to five rupees for every day after the first during which the breach continues:

Provided that, when the notice fixes a time within which a certain act is to be done and no time is specified in this Act, it shall rest with the Magistrate to determine whether the time so fixed was a reasonable time within the meaning of this Act.

XIII, 107. Any prosecution for an offence against
s. 145.] Prosecution to be suspended in certain cases. section 53, or section 78, or section 106, shall, when the Magistrate learns that an appeal has been instituted from the order which has been disobeyed, be suspended pending the decision of the appeal; and, if the order is set aside on appeal, disobedience thereto shall not be deemed an offence against the section.

CHAPTER VII.

CONTROL.

XIII, 108. The Commissioner of the division or the
s. 146.] Control by Commissioner or Deputy Commissioner. Deputy Commissioner of the district (not being a member of the committee) may—

- (a) enter on and inspect, or cause to be entered on and inspected, any immovable property situate within the limits of his division or district and occupied by any committee or joint committee, or any work in progress within those limits under the direction of a committee or joint committee;
- (b) by order in writing call for and inspect any book or document in the possession or under the control of any committee or joint committee having authority within those limits;
- (c) by order in writing require any such committee or joint committee to furnish such statements, accounts, reports and copies of documents relating to the proceedings or duties of the committee or joint committee as he may think fit to call for; and
- (d) record in writing, for the consideration of any such committee or joint committee, any observations which he may think proper in regard to the proceedings or duties of the committee.

pend within the limits of the division or district, as the case may be, the execution of any resolution or order of a committee or joint committee, or prohibit the doing within those limits of any act which is about to be done, or is being done, in pursuance of or under cover of this Act, if, in his opinion, the resolution, order or act is in excess of the powers conferred by law, or the execution of the resolution or order, or the doing of the act, is likely to lead to a breach of the peace, or to cause injury or annoyance to the public or to any class or body of persons.

(2) When a Commissioner or Deputy Commissioner makes any order under this section, he shall forthwith forward a copy thereof, with a statement of his reasons for making it, to the Local Government, which may thereupon rescind the order or direct that it continue in force with or without modification, permanently, or for such period as it thinks fit.

110. (1) In cases of emergency the Deputy Commissioner of the district may provide for the execution of any work or the doing of any act which a committee is empowered to execute or do and the immediate execution or doing of which is in his opinion necessary for the service or safety of the public, and may direct that the expense of executing the work or doing the act shall be forthwith paid by the committee. [Act XIII, 1884, s. 148.]

(2) If the expense is not so paid, the Deputy Commissioner may make an order directing the person having the custody of the balance of the municipal fund to pay the expense, or as much thereof as is, from time to time, possible, from the balance, in priority to any or all other charges against the same.

(3) The Deputy Commissioner shall forthwith report to the Commissioner of the division every case in which he uses the powers conferred on him by this section.

111. (1) If at any time it appears to the Local Government that a committee has made default in performing any duty imposed on it by or under this or any other Act, the Local Government may, by order in writing, fix a period for the performance of that duty. [Act XV, 1883, s. 62.]

(2) If that duty is not performed within the period so fixed, the Local Government may appoint the Deputy Commissioner of the district to perform it, and may direct that the expense of performing it shall be paid, within such time as the Local Government may fix, to the Deputy Commissioner by the committee.

(3) If the expense is not so paid, the Deputy Commissioner, with the previous sanction of the Local Government, may make an order directing the person having the custody of the balance

*The Central Provinces Municipal Bill.**(Chapter VII.—Control.—Sections 112-114. Chapter VIII.—Supplemental.—Section 115.)*[Act
1883, s. 63.]

112. (1) If a committee is not competent to perform, or persistently makes default in the performance of, the duties imposed on it by or under this or any other Act for the time being in force, or exceeds or abuses its powers, the Local Government may, with the previous approval of the Governor General in Council, by an order published, with the reasons for making it, in the official Gazette, declare the committee to be incompetent or in default, or to have exceeded or abused its powers, as the case may be, and supersede it for a period to be specified in the order.

(2) When a committee is so superseded, the following consequences shall ensue:—

- (a) all members of the committee shall, as from the date of the order, vacate their offices as such members;
- (b) all powers and duties of the committee may, during the period of supersession, be exercised and performed by such person or persons as the Local Government appoints in that behalf;
- (c) all property vested in the committee shall, during the period of supersession, vest in Her Majesty.

(3) On the expiration of the period of supersession specified in the order, the committee shall be re-constituted, and the persons who vacated their offices under sub-section (2), clause (a), shall not be deemed disqualified for being members.

[Act
1883, s. 64:
Act
1884,
154.]

113. (1) The Local Government may frame forms for any proceedings of a committee for which it considers that forms should be provided, and may make rules consistent with this Act—

- (a) for the assessment and collection of taxes imposed under this Act, and for preventing evasion of the same;
- (b) as to the authority on which money may be paid from the municipal fund;
- (c) as to the conditions on which property vested in the committee or placed under its management by the Local Government may be transferred by sale, mortgage, charge, lease, exchange or otherwise;
- (d) as to the qualifications requisite in the case of persons appointed by the committee to offices requiring professional skill;
- (e) as to the intermediate office or offices, if any, through which correspondence between committees and the Local Government or its officers, and representations addressed under this Act to the Local Government, are to pass;
- (f) as to the preparation of plans and estimates for works which are to be partly or wholly constructed at the expense of committees, and as to the authority by whom, and the conditions subject to which, such plans and estimates may be

and as to the power of the auditors in respect of disallowance and surcharge;

- (h) as to the preparation of estimates of income and expenditure of committees, and as to the authority by whom, and the conditions subject to which, such estimates may be sanctioned;
- (i) as to the language in which the proceedings and correspondence of the committee are to be conducted and recorded;
- (j) as to the returns, statements and reports to be submitted by committees; and,
- (k) generally, for the guidance of committees and public officers in all matters connected with carrying out the purposes of this Act.

(2) In making rules under sub-section (1), clause (a), the Local Government may direct that a breach of any provision thereof shall be punished with fine which may extend to fifty rupees.

114. In all matters connected with this Act [Act 1884, s. 64] the Local Government shall have and exercise over Commissioners and Deputy Commissioners, and Commissioners shall have and exercise over Deputy Commissioners, the same authority and control as they respectively have and exercise over them in the general and revenue administration.

CHAPTER VIII.

SUPPLEMENTAL.

Notices.

115. (1) Every notice issued by a committee [Act 1884, s. 64] under this Act or any rule thereunder shall be in writing, and shall be sufficiently authenticated by the signature of the president, vice-president or secretary, and may be served by being delivered to the person to whom it is addressed, or by being left at his usual place of abode or business with some adult male member or servant of his family, or, if it cannot be so served, may be posted on some conspicuous part of his usual place of abode or business.

(2) If the usual place of abode or business of the person to whom the notice is addressed is not within the limits of the municipality, the notice may be served by posting it in a registered cover addressed to his usual place of abode.

(3) If the usual place of abode or business of the owner of any property is not known, every such notice addressed to him as such owner may be served on the occupier.

(4) If the usual place of abode or business of the occupier of any property is not known, every such notice addressed to him as such occupier may be served by posting it on some conspicuous part of the property.

*The Central Provinces Municipal Bill.**(Chapter VIII.—Supplemental—Sections 116-126.)*

at XIII, 116. When any notice is under the provisions
4, s. 163.] Mode of giving notice of this Act to be given to, to owner or occupier of property.

or served on, the owner or occupier of any property and he is unknown, it may be given or served—

(a) by delivering a written notice to some person on the property, or, if there is no person on the property to whom the notice can be delivered, by fixing it on some conspicuous part of the property; or

(b) by putting into the post a prepaid letter containing a written notice, and addressed by the description of the "owner" or "occupier" of the property (naming it) in respect of which the notice is given, without further name or description.

at XIII, 117. Every public notice given by a committee
4, s. 164.] Publication of public notices. under this Act or any rule thereunder shall be published by proclamation or in the prescribed manner.

Alteration of Limits of Municipality.

at XV, 118. The Local Government may, by notification published in the
3, s. 72.] Notification of intention to alter limits of municipality. official Gazette and in the prescribed manner within the local area affected, declare its intention—

(a) to exclude from a municipality any local area comprised therein and defined in the notification, or

(b) to include within a municipality any local area situate in the vicinity thereof and defined in the notification:

Provided that, where the local area is a military cantonment or part of a military cantonment, a notification shall not be published under this section in respect of it without the previous sanction of the Governor General in Council.

at XV, 119. (1) Any inhabitant of a municipality or
3, s. 73.] Alteration of limits of municipality. local area in respect of which a notification has been published under the last foregoing section may, if he objects to the alteration proposed, submit his objection in writing to the Local Government within three months from the date of the publication of the notification in the Gazette, and the Local Government shall take his objection into consideration.

(2) When three months from such date have expired, and the Local Government has considered the objections, if any, which have been submitted under sub-section (1), the Local Government may, by a notification in the official Gazette, exclude the local area from the municipality or include it therein, as the case may be.

at XV, 120. (1) When a local area is excluded under
3, s. 74.] Effect of exclusion of local area from municipality. the last foregoing section from a municipality,—

(a) this Act and all rules, orders, byelaws, directions and powers made, issued or conferred under this Act shall cease to apply thereto; and

(b) the Local Government shall, after consulting the committee, frame a scheme determining what portion of the balance

the liabilities of the committee shall be apportioned between the committee and the Secretary of State for India in Council, and, on the publication of the scheme in the local official Gazette, the property and liabilities shall vest and be apportioned accordingly.

(2) All property vested in Her Majesty under sub-section (1) shall be applied under the orders of the Local Government to discharging the liabilities imposed on the Secretary of State for India in Council under that sub-section, or for the promotion of the health, comfort, convenience or interest of the inhabitants of the local area.

121. When a local area is included under section 119 in a municipality, [Act XV 1883, s. 73.] this Act and all rules, orders, byelaws, directions and powers made, issued or conferred under this Act and in force throughout the whole municipality at the time the local area is so included shall apply to the local area.

Miscellaneous.

122. (1) If any member, officer or servant of a committee is, otherwise [Act XV 1883, s. 65.] than with the permission in writing of the Commissioner of the division, directly or indirectly interested in any contract made with the committee, he shall be deemed to have committed an offence under section 168 of the Indian Penal Code.

(2) A person shall not by reason of being a shareholder in, or member of, any incorporated or registered company be held to be interested in any contract entered into between the company and the committee, but he shall not take part in any proceedings of the committee relating to any such contract.

123. A Court shall not take cognizance of an offence punishable only [Act XV 1883, s. 69.] under this Act or a rule thereunder except on the complaint of the committee or of some person authorized either generally or specially by the committee in this behalf.

124. Where any building or land, whether [Act XV 1883, s. 67.] within or without the limits of a municipality, is required for the purposes of this Act,

the Local Government may, at the request of the committee, proceed to acquire it under the provisions of the Land-acquisition Act, 1870, and, on payment by the committee of the compensation awarded under that Act, and of the charges incurred by the Government in connection with the proceedings, the land shall vest in the committee.

125. The power to make rules under section 7, section 79 or section 113 is subject to the condition of the rules being made [Act XIII, 1884, s. 139 and Act I, 1887, s. 6.]

after previous publication.

126. (1) When the supply of water in a municipality is derived from a reservoir situate beyond the limits of the municipality, the Local Government

Power to make rules regulating conservancy of reservoir and catchment area.

The Central Provinces Municipal Bill.
(Chapter VIII.—Supplemental.—Sections 127-130.)

act by which the purity of the water or the safety of the reservoir may be impaired; and

(b) regulating generally the conservancy of the reservoir and the catchment area.

(a) The Local Government may direct that the breach of any rule under sub-section (1) shall be punished with fine which may extend to two hundred rupees.

Act XV, 127. Nothing in this Act shall affect the Local
[1883, s. 76.] Saving of Act XI of Authorities Loan Act,
XI of 1879. 1879.

Act XV, 128. Every member of a committee consti-
[1883, s. 77.] Member of committee tuted under this Act shall
to be municipal com- be deemed to be a municipal
missioner. commissioner within the
meaning of every enactment for the time being
in force; and a Judge or Magistrate shall not
be deemed to be a party to or to be personally
interested within the meaning of section 555 of
X of 1882. the Code of Criminal Procedure, 1882, in any
prosecution for an offence punishable under this
Act, or any rule thereunder, merely because
he is a member of the committee by the order
or with the approval of which the prosecution has
been instituted.

Act XV, 129. (1) The Local Government, with the
[1883, s. 79.] Power to withdraw
municipal area altoget- Governor General in Coun-
her from operation of cil, may, by notification in
this Act. the local official Gazette,

withdraw any municipality from the operation of this Act.

(2) When a notification is issued under sub-section (1) in respect of any municipality, this Act and all rules, byelaws, orders, directions and powers made, issued or conferred under this Act shall cease to apply to the local area comprised in the municipality, the balance of the municipal fund and all other property which at the time of the issue of the notification is vested in the committee shall vest in Her Majesty, and the liabilities of the committee shall be transferred to the Secretary of State for India in Council.

(3) All property vested in Her Majesty under sub-section (2) shall be applied under the orders of the Local Government to discharge the liabilities imposed on the Secretary of State for India in Council by that sub-section, or for the promotion of the health, comfort, convenience or interest of the inhabitants of the local area comprised in the municipality.

130. Anything done or any proceeding taken under this Act shall not be [Act XII
Vacancies and irregu- under this Act shall not be 1884, s. 27.]
larities not to invalidate questioned on account of
proceedings. any vacancy in a commit-
tee or joint committee, or on account of any
defect or irregularity not affecting the merits of
the case.

STATEMENT OF OBJECTS AND REASONS.

THE object of this Bill is to repeal the Municipal Act at present in force in the Central Provinces, and to provide an Act which is better suited to the requirements of the municipalities.

2. The law regulating municipalities in the Central Provinces is contained in a short Act of the year 1873, and it is found that the provisions of this Act are now inadequate. The power of taxation which municipal committees have under that Act are not sufficiently clear, and doubts have arisen as to whether some of the taxes at present imposed can be legally imposed under it. It is also found that the powers and duties of municipal committees, and the power of control which Government officers may exercise over the committees, should be more fully expressed and defined so as to meet the growing needs of the Province.

3. This Bill therefore has been prepared. It introduces no new principles into the constitution of municipalities in the Central Provinces, but adopts from other enactments, principally from the North-Western Provinces and Oudh Municipalities Act, 1883, and the Punjab Municipal Act, 1884, provisions which appear suitable to the conditions obtaining in the Central Provinces and in harmony with the past policy of the Local Administration in its conduct of municipal affairs.

4. The Bill following the usual arrangement is divided into eight Chapters. They contain the ordinary provisions regarding the organization of municipal committees, the imposition of taxes and the constitution and application of the municipal fund, the powers and duties of municipal committees for general and for sanitary purposes, the power to make and enforce rules, the control to be exercised by Government officers and the usual supplemental matters. Following the Punjab Municipal Act, 1884, the powers for sanitary purposes and the provisions regarding offences affecting the public health, safety or convenience are set out in the Bill instead of being left to be supplied by rules made under the Act by the municipal committee.

5. With a view to preventing disturbances arising in towns owing to the slaughter of animals for sacrifice, power is given by section 52 of the Bill to the Deputy Commissioner to prohibit or regulate such slaughter, and to prescribe the mode and route in and by which meat shall be conveyed from the place of slaughter.

6. In section 60 of the Bill, which relates to the power to inspect places for the sale of food or drink, provisions adapted from Bengal Act III of 1886 have been inserted in order to give the municipal committee additional power to prevent the sale of unwholesome food or drink. In section 105 of the Bill a provision also taken from the same Act has been made to prevent the adulteration of food or drink.

7. A provision (section 126 of the Bill) has been inserted in the Supplemental Chapter so as to enable the Chief Commissioner to make rules for the preservation of reservoirs which supply a town with water but which, being situated outside municipal limits

GOVERNMENT OF INDIA.
LEGISLATIVE DEPARTMENT.

The following Bill was introduced into the Council of the Governor-General of India for the purpose of making Laws and Regulations on the 10th July, 1889:

NO. 9 OF 1889.

A Bill to make better provision for Conservancy in Villages in the Central Provinces.

WHEREAS it is expedient to make better provision for conservancy in villages in the Central Provinces; It is hereby enacted as follows:—

1. (1) This Act may be called the Central Provinces Village-conservancy Act, 1889.
Title, extent and commencement.

(2) It extends to the territories for the time being administered by the Chief Commissioner of the Central Provinces; and

(3) It shall come into force at once.

2. (1) When the sanitary condition of a village containing not less than three hundred inhabitants and not being a municipality is, in the opinion of the Deputy Commissioner of the district in which the village is situate, such as to be injurious to the health of the inhabitants, he may by an order in writing, published in such manner as the Local Government may prescribe, declare that the village is in an insanitary state.

(2) After the publication of the order the Local Government may—

- (a) on the application of the mukaddam and ten or more other inhabitants of the village, or,
- (b) if no such application is made within three months after the date of the publication of the order, then on the application of the Deputy Commissioner,

by notification in the official Gazette extend to the village the provisions of this Act from such date as may be specified in the notification.

3. In every village to which this Act is extended a panchayat shall be formed, consisting of the mukaddam and four representatives of the village-community, who shall be chosen by election from among the inhabitants of the village.

4. The panchayat shall, subject to the approval of the Deputy Commissioner, determine the sum which is annually required for the following purposes:—

- (a) the proper cleansing and conservancy of the village-site;
- (b) the provision and maintenance of a supply of wholesome water for the inhabitants of the village and their cattle;
- (c) the maintenance of the village-communications; and,
- (d) if the inhabitants generally so desire, the aiding of the village-school.

5. The sum determined to be necessary under the last foregoing section shall be raised by the panchayat by an assessment on the houses and lands within the village with reference to the circumstances of, and property possessed by, the owners or occupiers of such houses and lands.

6. (1) The Local Government shall make rules—
Powers of Local Government to make rules.

- (a) regulating the mode of election and the proceedings of the panchayats;
- (b) prescribing the manner in which the wishes of the inhabitants of the village are to be ascertained;
- (c) limiting the amount of tax and regulating its assessment, realization, safe custody and application and the auditing of the accounts thereof;
- (d) regulating the village-conservancy and defining and prohibiting public nuisances; and,
- (e) generally, for giving effect to the purposes of this Act.

(2) The Local Government may, in making such rules, direct that the breach of any provision thereof shall be punished with fine which may extend to fifty rupees.

7. The Local Government may direct that the provisions of this Act shall cease to have operation in any village from a date to be fixed by the Local Government, and may make over any moncys in the hands of the pancháyat to the district council or local board having authority under the Central Provinces Local Self-government Act, 1883.

XV of 1883.

8. While the provisions of this Act are in force in any village, the authority of the district council or local board under section 9 of the Central Provinces Local Self-government Act, 1883, shall be suspended in respect of all matters made over to the management of the pancháyat.

STATEMENT OF OBJECTS AND REASONS.

THE object of this Bill is to provide for village-conservancy in rural tracts in the Central Provinces. The importance of improved village-sanitation is so universally admitted, and has been pressed with such urgency on the attention of Local Governments by the Government of India, that the attempt to effect some such reform as that aimed at in the Bill needs no justification. The Central Provinces Land-revenue Act, 1881, contains provisions regarding the duties of the mukaddam of a village, and by means of these provisions efforts have been made to improve the sanitary condition of villages. It has been found, however, that to effect real and substantial improvement larger powers are necessary.

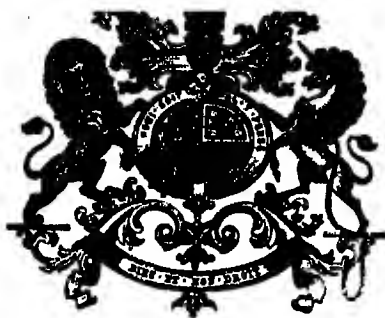
2. The object Mr. Mackenzie, the Chief Commissioner, has in view in this Bill is to secure the co-operation of the more influential members of the village-community and to place the conservancy-arrangements of the village on a popular and permanent basis. The provisions of the Bill can only be applied in a village containing a population of not less than three hundred persons, and when the Deputy Commissioner has declared that the sanitary condition of the village is defective. These conditions being fulfilled the Local Government may, either on the application of the mukaddam and ten or more other inhabitants of the village, or, if they fail to apply, on the application of the Deputy Commissioner, extend to the village the provisions of the Bill. A pancháyat will then be elected consisting of the mukaddam and four representatives of the village-community. This pancháyat will, subject to the approval of the Deputy Commissioner, determine the sum which will be annually required for the purposes of conservancy, the supply of water, the maintenance of the village-roads, and, if the people of the village so desire, the aiding of the village-school. This sum will be raised by the pancháyat by a tax on the houses and lands within the village. Full power is reserved to the Local Government to regulate the mode of election and the proceedings of the pancháyat, to limit the amount of taxation and regulate its assessment, and to regulate the village-conservancy and other matters necessary to give effect to the provisions of the Bill.

The 8th July, 1889.

R. J. CROSTHWAITE.

S. HARVEY JAMES,

Secretary to the Government of India.



The Gazette of India.

PUBLISHED BY AUTHORITY.

SIMLA, SATURDAY, JULY 13, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART VI.

Debates of the Legislative Council of His Excellency the Governor General.

GOVERNMENT OF INDIA.

LEGISLATIVE DEPARTMENT.

ABSTRACT OF THE PROCEEDINGS OF THE COUNCIL OF THE GOVERNOR
GENERAL OF INDIA, ASSEMBLED FOR THE PURPOSE OF MAKING
LAWS AND REGULATIONS UNDER THE PROVISIONS OF
THE ACT OF PARLIAMENT 24 & 25 VICT., CAP. 67.

The Council met at Viceregal Lodge, Simla, on Wednesday, the 10th July, 1889.

PRESENT:

His Excellency the Viceroy and Governor General of India, G.C.M.G., G.M.S.I.,
G.M.I.E., *presiding*.

His Excellency the Commander-in-Chief, Bart., V.C., G.C.B., G.C.I.E., R.A.

The Hon'ble Lieutenant-General G. T. Chesney, C.B., C.S.I., C.I.E., R.E.

The Hon'ble A. R. Scoble, Q.C., C.S.I.

The Hon'ble Sir C. A. Elliott, K.C.S.I.

The Hon'ble P. P. Hutchins, C.S.I.

The Hon'ble Sir D. M. Barbour, K.C.S.I.

The Hon'ble R. J. Crosthwaite.

ACTS VI AND VII OF 1884 AMENDMENT BILL.

The Hon'ble SIR DAVID BARBOUR moved that the Bill to amend Acts VI and VII of 1884 be referred to a Select Committee consisting of the Hon'ble Mr. Scoble, the Hon'ble Mr. Hutchins, the Hon'ble Mr. Crosthwaite and the Mover.

The Motion was put and agreed to.

CENTRAL PROVINCES MUNICIPAL BILL.

The Hon'ble MR. CROSTHWAITE moved for leave to introduce a Bill to make better provision for the Organization and Administration of Municipalities in the Central Provinces. He said:—

"The law regarding municipalities in the Central Provinces has for many years followed the law in force in the Punjab. In 1867 an Act was passed for the

Punjab which was extended by executive orders to municipalities in the Central Provinces. In 1873 the Government of the Punjab found that Act XV of 1867 did not meet the requirements of the Punjab, and accordingly Act IV of 1873 was enacted repealing Act XV of 1867 and making better provision for municipalities. Shortly after this Act XI of 1873 was passed to provide for municipal committees in the Central Provinces. This Act is still in force. It is a short Act of twenty-three sections drawn exactly on the model of the Punjab Act, IV of 1873. The powers given by the Act for the purposes of taxation are stated in very general terms. As regards the organization of the committees and the administration of towns much is left to rules and bye-laws, and the Chief Commissioner is invested with a somewhat unlimited power of control by which he can suspend or limit all or any of the powers of a committee, cancel any of its proceedings, rules or bye-laws, and remit or reduce any tax which it may impose. Such a law was only suitable for the infancy of municipal institutions, and accordingly it was found necessary in the Punjab to supersede Act IV of 1873 by Act XIII of 1884, an Act containing full provisions, in accordance with modern experience and requirements, for the organization of committees, the administration of municipal towns and the control to be exercised over municipalities by the Government.

"In the Central Provinces also it has now become necessary to replace the present brief enactment by an Act containing more ample and more suitable provisions. The Chief Commissioner, Mr. Mackenzie, has given his careful attention to the state of the municipalities in his Province, and he is of opinion—an opinion in which the executive officers and the municipal committees concur—that the present Act is insufficient to meet the requirements of the municipalities. The powers of taxation given by the Act are expressed in such terms that it is doubtful whether the levy of some of the existing taxes is legal. The legality also of some of the bye-laws and rules now in force is open to doubt, and Mr. Mackenzie is also of opinion that the very wide and arbitrary power of control vested in the Chief Commissioner by section 17 of the present Act should be replaced by the better regulated power of control which is conferred on the Local Government by the Municipal Acts in force in other Provinces.

"The present Bill, my Lord, has therefore been prepared. It introduces no new principles into the constitution of the municipalities in the Central Provinces, but adopts from other enactments, principally from the North-Western Provinces and Oudh Municipalities Act, 1883, and the Punjab Municipal Act, 1884, provisions which appear to Mr. Mackenzie suitable to the conditions obtaining in the Central Provinces, and in harmony with the past policy of the Local Administration in the conduct of municipal affairs.

"Following the usual plan the Bill is divided into eight Chapters. The first Chapter provides for the constitution of municipalities; the second for the organization of municipal committees, the mode in which they can enter into contracts, and their privileges in the case of suits brought against them; the third for taxation and the municipal fund; and the fourth for the municipal police. The fifth Chapter confers on municipal committees powers for sanitary and other purposes, and the sixth Chapter defines and provides penalties for offences affecting the public health, safety or convenience. The seventh Chapter contains provisions for the control to be exercised over municipalities by the Deputy Commissioner, the Commissioner and the Local Government. The last Chapter contains the usual supplemental enactments such as the provisions regarding notices to be issued by committees, the acquisition of land for a municipality, the alteration of the limits of a municipality and the withdrawal of a municipal area from the operation of the Act.

"I do not think, my Lord, that it is necessary that I should mention in detail all the provisions of the Bill, as it follows in the main the law contained in the Municipal Acts of the North-Western Provinces and the Punjab. I will therefore only notice briefly the principal provisions of the Bill and explain those which are not contained in existing municipal laws. The constitution of committees as provided by Chapter I of the Bill will remain as at present, that is to say, the committee will consist of not less than five members, who will be appointed, as the Local Government may direct, either by virtue of their office or by nomination or by election, or some by one and some by any other of such methods. In accordance also with the present law, not less than two-fifths of

the members are to be persons other than salaried officers of the Government. The president and vice-president will be appointed by the Local Government, or by the committee if the Local Government so directs; and power is given to the Local Government to remove for certain specified reasons a president, vice-president or other member of a committee. In sections 11 to 17 of the Bill, both inclusive, the rules for the conduct of business, namely, as regards the time for holding meetings, ordinary and special meetings, the quorum necessary for the transaction of business, and such matters, have been adopted from the Punjab Municipal Act. Section 22 of the Bill slightly modifies the enactment at present in force regarding suits against the committee or its officers. It is provided in the Bill that the period before which such a suit may not be instituted shall be two months instead of one month, after the delivery of a notice of the cause of action, and the limitation of such suits is fixed at four months, instead of three months, next after the accrual of the cause of action.

"The third Chapter regarding taxation and the municipal fund follows in the main the corresponding Chapter of the Punjab Act. Section 29 of the Bill, however, gives the Local Government a somewhat wider power with respect to the abolition of taxes. Mr. Mackenzie considers that in the circumstances of the Province this power is needed to prevent the minor municipalities from interfering unduly with trade by imposing octroi on goods passing along lines of traffic.

"Chapter IV of the Bill follows the North-Western Provinces and the Punjab Acts with regard to the provisions relating to the municipal police. This Chapter, therefore, calls for no remark.

"The powers for sanitary and other purposes contained in Chapter V of the Bill are also adopted from the corresponding Chapter in the Punjab Act, and provision is thus made for matters which now have to be provided for by rule. I must notice, however, that in section 47 of the Bill the committee is not required, as in the Punjab Act, to make compensation for refusing to allow a person to erect a new building. The right to obtain compensation in such a case is thought to be too extensive and to be liable to abuse. In the powers conferred on a committee by section 49 regarding bathing and washing places a power has been included enabling a committee to prohibit acts which may cause inconvenience or annoyance to persons using the bathing or washing places. It has been found necessary, for instance, at bathing places, such as those on the river Narbadda, which are much frequented, to prohibit persons from fishing while people are bathing. Section 52 of the Bill contains a new provision empowering the Deputy Commissioner, for the preservation of the public peace or order, to prohibit or regulate the slaughter of animals for purposes other than sale. Such a power is found to be needed in some towns where there may be contests between Hindus and Muhammadans, and the sacrifice or slaughter of particular animals at particular times may give rise to serious disturbances. The provisions of section 60 of the Bill contain the provisions of section 100 of the Punjab Act, regarding the power to inspect places for the sale of food or drink and to seize unwholesome articles of food. Provisions, however, adapted from Bengal Act III of 1886, regarding the disposal of unwholesome food and the power to require the sale of a quantity of any food or drink for the purpose of analysis, have been added, in order to give additional powers for suppressing the sale of unwholesome food or drink. I must also notice that the power given by clause (c) of section 79 of the Bill to make rules for licensing, controlling and regulating the practice of brokers, measurers and weighmen practising their calling in public places within a municipality is not taken from the Punjab Act, but is in accordance with the existing practice in the Central Provinces. Clauses (d) and (f) of the same section are new provisions. Power is given to the committee by the former clause to make rules for prescribing the standard weights and measures which are to be used within the municipality, and by the latter clause to make rules to prevent, if necessary, nuisance arising from the smoke of factory chimneys.

"The sixth Chapter of the Bill follows the Punjab Municipal Act in defining, and specifying the penalties for, offences affecting the public health, safety or convenience. Such matters are now provided for by the municipal rules, but it is considered advisable that penal legislation of this kind should, as far as possible, be contained in the Act and not left to the discretion of a municipal committee.

Two offences have been added by sections 98 and 105 of the Bill to the list contained in the Punjab Act. Section 98 makes it an offence to beat drums contrary to the orders of a committee—an offence which it has been found necessary in the North-Western Provinces to provide for; and section 105, following Bengal Act III of 1886, provides a penalty for selling articles of food or drink which are so adulterated as to be different from the article which the seller professes to sell.

"The provisions of Chapter VII regarding control are taken from the North-Western Provinces and the Punjab Municipal Acts and call for no remark. The last Chapter of the Bill contains the usual supplemental provisions with the addition of section 126, which gives the Local Government power to make rules regulating the conservancy of reservoirs and the land adjoining thereto. The town of Nagpur has for some years been supplied with water from a large reservoir, and recently, owing to the great liberality of Raja Gokuldass, Rai Bahadur, the municipality of Jabalpur has also been enabled to construct a reservoir. Both these reservoirs are situated outside the limits of the municipalities, and it is most important that the Local Government should have the power of taking measures so as to secure the safety and the purity of the water-supply. The section accordingly gives the Local Government power to make rules regulating the doing in the reservoir, or in or upon the catchment area thereof, any act by which the purity of the water or the safety of the reservoir may be impaired, and generally regulating the conservancy of the reservoir and the catchment area. The section also provides that the breach of a rule made under it may be made punishable with fine.

"I think, my Lord, that there is no other matter in the Bill which now calls for remark.

The Motion was put and agreed to.

The Hon'ble MR. CROSTHWAITE also introduced the Bill.

The Hon'ble MR. CROSTHWAITE also moved that the Bill and Statement of Objects and Reasons be published in the Gazette of India in English, and in the Central Provinces Gazette in English and in such other languages as the Local Government thinks fit.

The Motion was put and agreed to.

CENTRAL PROVINCES VILLAGE-CONSERVANCY BILL.

The Hon'ble MR. CROSTHWAITE also moved for leave to introduce a Bill to make better provision for Conservancy in Villages in the Central Provinces. He said :—

"This Bill is intended to make provision for carrying out measures of sanitary improvement in villages situated in rural tracts of the Central Provinces.

"The object which Mr. Mackenzie has had in view in framing the provisions contained in the Bill is to secure the co-operation of the villagers in the work of sanitation. The Central Provinces Land-revenue Act, 1881, declares that it shall be the duty of the mukaddam, the head of the village, to keep his village in good sanitary condition, and the Chief Commissioner is given power to make rules regulating the liability of persons residing in a village for charges necessarily incurred by mukaddams in the performance of this duty. It is difficult, however, for a mukaddam in a small village to make sanitary improvements without incurring unpopularity. The improvements will require money, and money cannot be had without taxation for which the mukaddam will be held responsible by the villagers. The rules for sanitation cannot be enforced without a penalty, and the mukaddam, if he wishes to enforce them, will sometimes have to prosecute those who disobey them, and thereby to incur still greater unpopularity. Mr. Mackenzie considers that the proper course will be to associate the village-community with the mukaddam in the work of sanitation, and thus to place it on a popular basis. The provisions of the Bill are very simple. They are applicable only to a village which contains not less than three hundred inhabitants and which the Deputy Commissioner declares by an order in writing to be in an insanitary state. When this declaration has been made the Local Government may, either on the application of the mukaddam and ten or more of the inhabitants or, if they fail to apply, on the application of the Deputy Commissioner, extend the provisions of the Bill to the village. The next step

will be the formation of a pancháyat consisting of the mukaddam and four representatives of the village-community who are to be chosen by election. The duty of the pancháyat will be to determine, subject to the Deputy Commissioner's approval, the sum which will be annually required for the conservancy of the village, the provision and maintenance of a good water-supply, the maintenance of the village-communications and, if the inhabitants so desire, the aiding of the village-school. This sum is to be raised by an assessment on the houses and lands within the village with reference to the circumstances of, and property possessed by, the owners of the houses and lands. Section 6 of the Bill confers on the Local Government power to make rules for regulating the mode of election and the proceedings of the pancháyat, for ascertaining the wishes of the inhabitants of the village, for limiting the amount of taxation and regulating the assessment and collection of the tax, for regulating conservancy, defining and prohibiting public nuisances, and generally for carrying out the objects of the Bill. The Local Government is also given the power to provide a penalty of fifty rupees for the breach of a rule. Section 7 of the Bill gives the Local Government power to withdraw any village from the operation of the Act, and section 8 provides that when the Act is in force in any village the authority of the district council or local board established under the Central Provinces Local Self-government Act, 1883, shall be suspended in respect of all matters made over to the pancháyat.

"It is not, my Lord, I submit, necessary or desirable to attempt any elaborate system of village-conservancy. What is especially required is to teach the villagers to keep their wells and tanks, or the streams from which they draw their supply of water, as pure as may be practicable, to keep their streets and houses clean, and to arrange so that manure and refuse may be deposited in a place where they will not cause injury to the health of the people. Large powers are reserved to the Local Government in order that the provisions of the law may be used with due care and caution, until the people understand and appreciate the advantages of village-conservancy and are able and willing to take a more direct and active part in the work of sanitary improvement."

The Motion was put and agreed to.

The Hon'ble MR. CROSTHWAITE also introduced the Bill.

The Hon'ble MR. CROSTHWAITE also moved that the Bill and Statement of Objects and Reasons be published in the Gazette of India in English, and in the Central Provinces Gazette in English and in such other languages as the Local Government thinks fit.

The Motion was put and agreed to.

CENTRAL PROVINCES LAND-REVENUE BILL.

The Hon'ble MR. CROSTHWAITE also moved that the Bill to amend the Central Provinces Land-revenue Act, 1881, be referred to a Select Committee consisting of the Hon'ble Mr. Scoble, the Hon'ble Sir Charles Elliott, the Hon'ble Mr. Hutchins and the Mover.

The Motion was put and agreed to.

CENTRAL PROVINCES TENANCY BILL.

The Hon'ble MR. CROSTHWAITE also moved that the Bill to amend the Central Provinces Tenancy Act, 1883, and the Central Provinces Local Self-government Act, 1883, be referred to a Select Committee consisting of the Hon'ble Mr. Scoble, the Hon'ble Sir Charles Elliott, the Hon'ble Mr. Hutchins and the Mover.

The Motion was put and agreed to.

The Council adjourned to Wednesday, the 31st July, 1889.

S. HARVEY JAMES,

Secretary to the Government of India,

Legislative Department.

SIMLA;

The 11th July, 1889.

GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

**Weather Review of India for the week ending at 8 a.m. on
Monday, July 8th, 1889.**

There has been no important change of weather during the past week. Normal monsoon conditions have prevailed throughout the period, uninterrupted either by any considerable break in the rains or by any considerable storm. In the Western Desert, Khandeish, part of the Bombay Deccan, and Madras there has been less rain than usual; but with these exceptions the rainfall, though nowhere very heavy, has been steady and sufficient.

The Chart of the 2nd showed the ordinary monsoon distribution over the greater part of the country, but in Northern India there were some irregularities. In the first place, a small depression lay over Northern Bengal; in the second, the shallow depression which ordinarily exists over the Gangetic plain was absent, and pressure decreased gradually but steadily right up to the foot of the hills. In consequence, the south-easterly winds which usually prevailed over Northern India were not shown, and the winds over the Punjab and North-Western Provinces were apparently part of the West Coast current. On the 3rd the Chart showed that the depression over Bengal had begun to move west-south-westward and at the same time to fill up. There existed on this day a low pressure area over Western Bengal and the east of the North-Western and Central Provinces, and a second over the west of the Punjab, with an intervening region covering the North-Western Provinces, the east of the Punjab, and Rajputana of very uniform pressure. Over the Peninsula gradients were also slight for the time of year. The monsoon currents were consequently light or moderate generally, and on the West Coast there was much variability in the wind direction. By the morning of the 4th the Bengal depression had reached the centre of the Central Provinces. A well marked though feeble cyclonic circulation existed around it, and hence easterly and south-easterly winds had appeared in Upper India. The wind was still very variable on the West Coast, but elsewhere normal monsoon directions prevailed. By the 5th the depression had almost filled up, though there were traces of the centre between the stations of Jeypore and Indore and Neemuch and Jhansi. Except on the West Coast, the normal monsoon circulation existed. On the 6th the depression had entirely disappeared, but otherwise there was no change. On the 7th a rapid fall of the barometer was reported from North-Western India, while pressure rose in the south. Hence gradients became steeper and the wind stronger. The Chart of the 8th showed that the fall in the North-West continued, and the barometric difference between the south and north of India became again about normal. At the same time the wind became westerly and south-westerly over the Peninsula.

Temperature.—Very small variations of temperature from the mean are again reported this week. The conditions which maintained the uniform temperature of last week have again been effective in preventing any large changes, and the variations from the normal, which are shown in the table given below, are everywhere less than $1\frac{1}{2}^{\circ}$. Larger variations than the above occurred on some days in particular districts. For instance, owing to the rather heavy rainfall in the Indus Valley at the end of last week, the mean temperature of Guzerat and Sind was low on the 2nd, while, owing to moderately heavy rain in Upper India at the close of the present week, the mean temperature of the North-Western Provinces and the Punjab was low on the 7th and 8th.

During the first two days of the week the maxima were high all over North-Western India, exceeding 100° at all stations; but on the 4th a rapid fall occurred over Upper India (except the Indus Valley), and the maxima from that day till the close of the week were generally considerably below the normal.

The following table shows the excess or defect of the mean average temperatures of the different Provinces from the normal, both for the present and for the preceding week :

PROVINCE.	Difference of Mean Temperature of Last Week from Normal.	Difference of Mean Temperature of Present Week from Normal.
Burmah	0°	+ 1.2°
Bengal	— 1.3°	— 0.2°
North-Western Provinces	— 2.5°	— 0.8°
Punjab	+ 0.6°	— 0.5°
Bombay	— 0.3°	+ 1.0°
Central Provinces and Berar	+ 0.5°	+ 1.4°
Guzerat and Central India	— 1.1°	— 0.7°
Sind and Rajputana	— 1.4°	— 1.1°
Madras	— 0.1°	+ 0.1°

This table shows that there has been a slight excess of temperature in Burmah, Bombay, the Central Provinces, and Madras, and a slight deficiency elsewhere.

Rain.—In North-Western India and in Madras the rainfall of the week has again been rather scattered than general, and in Sind and the west of the Punjab there has been none of any consequence; but in all other parts of India rain has been general and has fallen in most districts on every day of the week.

The following is a brief description of the daily distribution :

On the 2nd there was no rain over the south and west of the Punjab, Upper Sind, Central India, the west of the Central Provinces, the Bombay Deccan, or the Carnatic. Elsewhere rain was general, and in parts of Bengal heavy. On the 3rd a similar distribution obtained, but the amounts had decreased somewhat in Bengal. On the 4th there was rather more rain in the Punjab, and a fairly general fall over Central India, Khandeish, and the Bombay Deccan, and larger amounts on the West Coast. On the 5th rain ceased again in Khandeish, Berar, the west of the Central Provinces, and decreased in amount on the West Coast; but elsewhere there was no change. The Chart of the 6th showed larger amounts again on the West Coast and general rain in all parts of the country, except the south of the Punjab and the Western Desert. On the 7th rain was still heavier on the West Coast, but there was no other change; and the Chart of the 8th showed rain in all places, except parts of Rajputana and the Indus Valley.

The table at the close of the Summary shows that out of the 51 divisions into which India is divided, 23 divisions had more rain during the week than is usually received, and that 24 received less than the average; 1 district had exactly the normal, and from the other 3 districts there was no information of no average. In the great majority of districts the variations are small and often unimportant.

In Burmah all the divisions, except Arakan, had less rain than usual; and the same is true of all districts in Bengal, except Deltaic Bengal, North Bengal, and Chota Nagpur, where there was an excess. The whole of Upper India, except the districts of Oudh north, Punjab central, and Punjab west, had exceedingly good rain, the excess in some districts being considerable. Malabar had only two-thirds of its normal amount; but Madras, south central, and Coorg had heavy rain. The Konkan has more than the average rain; but behind the Ghats in Mysore and the Bombay Deccan, as well as northward into Khandeish, Berar, and the west of the Central Provinces, there was a rather large deficiency. The east of the Central Provinces and Central India had good rains, while Guzerat had a considerable and Sind a trifling deficiency. The East Coast districts exhibit a slight excess or a trifling deficiency.

The concluding column of the table shows the state of the seasonal rainfall. Burmah and East Bengal are below the average; but over the rest of Bengal, as well as over by far the greater part of Northern India, the rainfall has been exceedingly good. The only important exception is the Punjab central, where only about half the normal amount has fallen. The West Coast districts have had fair rain; but Mysore and the whole of the districts comprising Khandeish, Berar, and the west of the Central Provinces have had short rain. In Central India, Guzerat, and Sind the rainfall has been about the normal; but in Kattiawar it has been deficient. In Madras the changes are irregular and on the whole not large.

SUPPLEMENT TO THE GAZETTE OF INDIA, JULY 13, 1889.

PROVINCE.	DIVISION.	RAINFALL DATA FOR WEEK ENDING JULY 6TH, 1889.			RAINFALL DATA FROM MAY 15TH TO JULY 6TH, 1889.		
		Average Actual Rainfall of Division.	Average Nor- mal Rainfall of Division.	Excess or Defect, in Inches.	Average Actual Rainfall of Season to date.	Average Nor- mal Rainfall, May 15th to July 6th.	Excess or De- fect of (Season- al) Rainfall expressed as a per- centage.
		Inches.	Inches.	Inches.	Inches.	Inches.	Per cent.
BURMAH . . .	Tenasserim	2'94	9'11	— 6'17	52'72	62'53	— 16
	Lower Burmah	2'84	5'08	— 2'24	25'46	32'32	— 21
	Central Burmah	1'72	3'89	— 2'17	18'82	25'99	— 28
	Upper Burmah	2'06	?	?	17'62	?	?
	Arakan	11'72	9'53	+ 2'19	69'00	75'48	— 9
BENGAL AND ASSAM . . .	Eastern Bengal	2'83	4'45	— 1'62	27'48	30'25	— 9
	Assam (Surma)	3'54	4'65	— 1'11	49'34	39'17	+ 26
	Do. (Brahmaputra)	3'68	4'81	— 1'16	35'09	28'97	+ 23
	Deltaic Bengal	3'13	2'81	+ 0'32	18'81	17'03	+ 10
	Central Bengal	2'06	3'16	— 1'10	18'86	16'65	+ 13
	North Bengal	7'09	6'35	+ 0'74	38'98	38'38	+ 2
	Orissa	1'12	2'33	— 1'21	13'83	13'62	+ 2
	Chota Nagpur	4'28	2'80	+ 1'48	16'50	12'57	+ 31
	Behar (South)	2'41	2'62	— 0'21	13'18	10'18	+ 29
	Do. (North)	3'36	3'77	— 0'41	18'44	14'15	+ 30
NORTH - WESTERN PROVINCES AND ODDH.	North - Western Provinces (East).	3'19	2'25	+ 0'94	11'08	7'48	+ 48
	Oudh (South)	2'38	2'32	+ 0'06	9'17	7'74	+ 18
	Do. (North)	2'00	3'30	— 1'30	9'53	9'94	— 4
	North - Western Provinces (Central).	2'73	1'75	+ 0'98	6'65	5'03	+ 18
	North - Western Provinces (West).	2'21	2'13	+ 0'08	5'25	6'00	— 13
	North - Western Provinces (Submontane).	5'39	3'57	+ 1'82	13'62	10'37	+ 31
PUNJAB	Punjab (South)	1'75	1'05	+ 0'70	3'80	3'50	+ 11
	Do. (Central)	1'90	2'17	— 0'27	3'14	6'18	— 49
	Do. (Submontane)	3'75	2'40	+ 1'35	6'45	6'59	— 2
	Do. (Hill Districts)	8'56	6'83	+ 1'73	22'14	18'32	+ 21
	Do. (North-West)	2'90	1'21	+ 1'69	5'11	4'08	+ 25
	Do. (West)	0'30	0'40	— 0'10	2'02	1'74	+ 16
BOMBAY AND MALA- BAR COAST DIS- TRICTS (MADRAS).	Malabar	5'04	7'62	— 2'58	48'37	52'25	— 7
	Madras (South Central)	1'60	0'57	+ 1'03	7'75	5'30	+ 46
	Coorg	5'04	1'06	+ 3'98	31'09	35'12	— 11
	Mysore	0'65	0'84	— 0'19	4'10	6'39	— 36
	Konkan	8'25	7'54	+ 0'71	46'77	38'84	+ 20
	Bombay Deccan	1'10	1'58	— 0'48	7'73	9'55	— 19
	Hyderabad (North) . . . . .	...	...	...	...	...	...
	Khandeish	0'74	1'07	— 0'33	4'38	7'71	— 43
CENTRAL PROVINCES AND BERAR.	Berar	1'70	2'10	— 0'40	7'24	9'88	— 27
	Central Provinces (West)	1'02	2'45	— 0'83	3'67	11'24	— 23
	Ditto (Central)	4'05	3'73	+ 0'32	14'14	14'08	0
	Ditto (East)	3'10	2'03	+ 0'53	12'62	14'25	— 11
BOMBAY (NORTH)	Guzerat	2'27	3'36	— 1'04	8'83	9'95	— 11
	Kattiawar	2'45	2'29	+ 0'10	4'48	7'46	— 40
	Sind	0'11	0'16	— 0'05	0'51	0'45	+ 13
RAJPUTANA AND CEN- TRAL INDIA.	Central India (East)	2'72	2'58	+ 0'14	9'41	8'72	+ 8
	Rajputana (East), Central India (West).	2'60	1'83	+ 0'77	7'48	5'52	+ 36
	Rajputana (West) . . . . .	...	...	...	...	...	...
	East Coast (North)	2'10	1'17	+ 0'93	9'63	8'57	+ 12
MADRAS	Hyderabad (South)	0'83	1'00	— 0'17	3'95	6'15	— 36
	Madras (Central)	0'70	0'68	+ 0'02	4'39	4'73	— 7
	East Coast (Central)	0'79	0'79	0	5'11	5'08	+ 1
	Ditto (South)	0'41	0'53	— 0'12	3'83	3'93	— 3
	Madras (South)	0'10	0'34	— 0'24	1'73	2'72	— 36

W. L. DALLAS,

*Assistant Meteorological Reporter to the
Government of India.*

E. C. BUCK,

Secretary to the Government of India.

SIMLA, 11th July, 1889.

GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

Weekly Report on the State of the Season and Prospects of the Crops.

Madras.—*For week ending 6th July.*—Rainfall good in Ganjam, Vizagapatam, Godavari, Kistna, Bellary, Nilgiris, Salem, and West Coast; slight in Madras and Chingleput, and fair elsewhere. Crops generally good; but withering in parts of Cuddapah, South Arcot, and Tinnevely, and suffering from want of rain or water in North Arcot, Trichinopoly, Coimbatore, and Salem. Crops damaged by excessive moisture in Vizagapatam and blighted by insects in Coimbatore. Water-supply insufficient in Chingleput and Salem. Stock suffering badly from disease in Tanjore, Kistna, Tinnevely, and Malabar. Prices rising in eight districts, falling in six, and stationary in others. Cholera severe in the three northern districts, but abating in Ganjam. Labourers employed last day of week in Ganjam,—on Rushikulya works, 4,118; Gopalpur Canal, 1,334; Ghat Roads, 1,879. Average daily number on drinking-water tanks and wells, 5,039; on minor irrigation and other work, 3,055; decrease due to agricultural operations and partly to floods in Gopalpur Canal. Number on village relief on 29th June, 27,163; fed in kitchens, 2,907. No reliable estimate of stocks of food-grains in Ganjam. Imports during week by sea and land 1,208 tons. General prospects favourable; continue to improve in Ganjam.

Bombay.—*For week ending 10th July.*—Rain throughout the Presidency Proper and Sind, but deficient in parts of Guzerat, Deccan, and Southern Mahratta Country. Sowing progressing in several districts, but retarded for want of sufficient rain in parts of Khandesh, Nasik, Poona, Ahmednagar, Satara, Bijapur, and Dharwar. Standing crops good in Sholapur, Belgaum, and Kanara,—damaged by caterpillars in four talukas of Kaira, and suffering for want of moisture in three talukas of Bijapur. Transplantation progressing in Surat, Thana, Kolaba, Ratnagiri, and Kanara. Fodder scarce in parts of Poona, Ahmednagar, Dharwar, and Kathiawar. Water scarce in parts of Ahmednagar and Dharwar. Prices rising in parts of Khandesh and Nasik.

Bengal.—*For week ending 9th July.*—Ordinary monsoon weather prevails throughout the Province, and ample rain has fallen in all districts, except Balasore. A partial break in the rains appears to have set in and will be beneficial to the crops. The excessive rain has caused damage to the crops on low lands in places in the Rajshahye and Dacca divisions, the damage being rather considerable in the south of Rungpore. Sowing of paddy and *bhadai* crops is nearly completed, and transplanting of seedlings has begun. Prospects of early rice, jute, and sugarcane are promising. Indigo manufacture has begun, and the produce is expected to be fair, except in Midnapore and Chumparun. The price of rice remains high and steady throughout the Province. The latest report regarding the affected tract in the Patna division shows that the attendance on relief works has fallen off considerably; but in Muzaffarpur and Darbhanga, owing to interruption of communications caused by heavy rain, prices have risen almost to famine rates. In Chumparun anxiety is felt for the crops for want of fine weather, and destitution is said to be spreading.

North-Western Provinces and Oudh.—*For week ending 10th July.*—Good rain everywhere. *Kharif* operations progressing satisfactorily. Prices almost stationary. Markets fairly supplied.

Punjab.—*For week ending 10th July.*—Good rain has fallen in all districts, except at Peshawar. Prices are falling in Shahpur, fluctuating in Peshawar,

slightly rising in Mooltan, and stationary elsewhere. Ploughings for and sowings of *kharif* crops in progress. Rain has done much good to the crops at Sialkot. Prospects of standing crops are good. Sugarcane and cotton crops promise well. Stock cattle are reported healthy. Fodder sufficient, except in the Dera Ismail Khan district.

Central Provinces.—*For week ending 10th July.*—There has been sufficient rain in all districts, with a very heavy fall in the Jubbulpore tahsil. Sowing and weeding continue. Prospects favourable. Prices steady.

Burma.—*For week ending 6th July.*—Seasonable rainfall throughout Lower Burma. In Upper Burma in the Kyaukse and Meiktila districts the rainfall was slight and in Yamethin very heavy, destroying some crops. The price of paddy has risen in Prome and Toungoo, and slightly in Pegu and Thayetmyo; the prices at other districts in Lower Burma remain unchanged. In Upper Burma a rise is shown in the prices in the Ruby Mines, Sagaing, and Yamethin, and a fall in Myingyan and Pyinmana districts. The food-supply is sufficient.

Assam.—*For week ending 10th July.*—Heavy rain in most districts. Rivers high. Transplanting of winter rice and reaping of early rice impeded in some districts by floods. Tea and growing crops doing well.

Mysore and Coorg.—*For week ending 10th July.*—Good rain in Civil and Military Station of Bangalore, and heavy rain in the Bangalore district. Rain has fallen more or less throughout the State. Standing crops good, but more rain wanted in one taluka of the Hassan district. Outturn of crops in Tumkur district averages from half to two annas. Prices slightly risen in the Bangalore district.

Rains continue light in Coorg. Standing crops in good condition.

Berar and Hyderabad.—*For week ending 10th July.*—Average rainfall fair. Cotton sowing nearly finished. Sowing of *jowari*, *til*, and *tur* continues. Fodder sufficient, except in Amraoti district. Prices stationary. Agricultural stock good.

Some rain in Hyderabad during the week. Scarcity of fodder still felt. Prices stationary.

Central India.—*For week ending 10th July.*—Rain throughout Central India during the week; heavy in Gwalior. Agricultural operations completed in Bhopal; elsewhere in progress. Condition of standing crops and of pasturage good. Prices are high, except in Neemuch, where they are falling.

Rajputana.—*For week ending 10th July.*—No rain in Bickaneer and Dholepur; elsewhere moderate. Agricultural operations progressing. Agricultural stock good, except in Meywar and Bickaneer. Pasturage or fodder scarce in Kherwara and Meywar. Prices steady generally.

Nepal.—*For week ending 4th July.*—Good rain. Weather cloudy. Rain daily during the week, but weather very warm. Indian corn progressing. Late autumn rice replanted.

E. C. BUCK, *

Secretary to the Government of India.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY TRAFFIC.

No. XI of 1889-90.

APPROXIMATE STATEMENT OF GROSS RECEIPTS AND EXPENSES OF INDIAN RAILWAYS.

N.B.—As regards the figures in column *Total Receipts from 1st April to date*, audited figures have been used as far as possible.

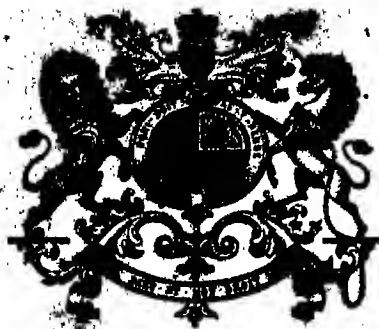
At Return received.	RAILWAYS.	Total length open.	RECEIPTS FOR WEEK ENDING 16TH JUNE, 1888.		Total length open.	RECEIPTS FOR WEEK ENDING 15TH JUNE, 1889.		TOTAL RECEIPTS FROM 1ST APRIL TO 16TH JUNE, 1888.		TOTAL RECEIPTS FROM 1ST APRIL TO 15TH JUNE, 1889.		Total increase in 1889-90.	Total decrease in 1889-90.
			Total.	Per mile open.		Total.	Per mile open.	Total.	Per mile open per week.	Total.	Per mile open per week.		
	<i>State Lines worked by Companies.</i>		<i>Rs.</i>	<i>Rs.</i>		<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>
of June 1889	East Indian	1,514	8,28,000	548	1,514	9,82,013	649	1,04,75,403	629	1,05,72,598	633	97,195	...
ditto	Patna-Gya	57	0,812	119	57	7,798	136	96,848	154	98,935	157	2,087	...
ditto	Dildarnagar-Ghazipur	12	880	74	12	916	76	14,304	108	10,023	83	...	3,381
1889	Rajputana-Malwa	1,664	3,81,462	229	1,664	4,10,000	246	44,04,576	241	51,27,524	284	7,22,948	...
to	Bengal-Nagpur (a)	180	24,602	132	293	28,829	98	4,49,608	220	5,68,863	179	1,19,195	...
to	Bengal Nagpur-Sectoria Coal Section	...	...	...	12	(b) 461	38	...	...	(b) 461	38	461	...
to	Southern Maratha (c)	850	60,075	81	857	77,571	91	9,05,414	97	10,02,604	106	97,250	...
to	Do. Mysore Section	140	10,452	75	210	14,731	68	1,15,390	75	1,59,994	66	44,604	...
to	Indian Midland	211	(d) 29,303	139	674	(e) 60,832	90	(d) 2,73,909	118	(e) 7,29,958	112	4,56,049	...
to	Villupuram-Dhar m a veram (Nellore Branch)	83	3,792	46	83	7,704	94	44,073	49	52,790	59	7,817	...
to	Bareilly-Pilibhit	30	1,204	33	30	1,096	47	18,577	47	24,913	63	6,326	...
	TOTAL	4,753	13,56,047	285	5,421	15,92,741	294	1,67,99,072	321	1,83,49,623	316	15,50,551	...
	<i>State Lines worked by Government.</i>												
1889	North-Western (f)	2,411	4,45,222	185	2,386	5,54,622	232	52,34,052	107	59,34,075	229	7,00,023	...
to	Oudh and Rohilkhand	693	1,49,041	210	692	1,40,207	211	18,04,303	237	19,45,989	256	1,48,686	...
to	Bengal Central	125	10,900	87	125	10,340	155	1,24,033	91	1,56,517	114	31,584	...
to	Wardha Coal	45	11,916	265	45	13,404	298	1,74,370	344	1,93,062	405	27,630	...
to	Eastern Bengal Railways	673	1,38,801	206	673	1,65,150	245	15,84,124	214	17,50,181	236	1,66,057	...
of June 1889	Nalhati	27	2,104	70	27	2,870	104	20,003	68	19,541	65	...	602
ditto	Tirhoot	259	34,404	133	273	40,935	150	4,20,907	150	4,32,732	144	5,665	...
1889	Lucknow-Sitapur-Sitimaui	105	7,021	67	105	7,700	73	64,315	56	81,020	70	16,705	...
to	Jorhat	25	931	37	25	1,534	61	11,382	34	12,590	40	1,208	...
to	Cherra-Cumpanyanj	...	...	...	...	(g) ...	...	(h) 725	10	(i) 637	10	...	89
to	Burma	392	59,986	153	553	82,300	151	7,14,014	170	10,82,749	178	3,68,135	...
	TOTAL	4,755	8,60,092	181	4,204	10,35,152	211	1,01,54,294	195	1,10,16,943	218	14,64,640	...
	<i>Lines worked by Guaranteed Companies.</i>												
1889	Madras	840	1,59,155	189	840	2,05,004	244	17,72,953	192	20,13,047	221	2,40,194	...
to	South Indian	654	1,07,153	164	654	1,21,215	185	12,00,474	168	12,87,538	181	81,304	...
to	Great Indian Peninsula	1,497	(j) 7,46,437	492	1,440	(k) 5,98,931	410	1,24,33,900	752	(k) 95,03,702	605	29,30,258	...
to	Bombay, Baroda and Central India (l)	461	2,46,004	530	461	2,74,000	594	34,21,202	675	35,61,655	712	1,40,393	...
	TOTAL	3,452	12,59,734	365	3,395	11,06,150	353	1,88,34,349	490	1,63,65,942	444	24,68,407	...
	TOTAL (GUARANTEED AND STATE)	12,960	34,77,373	268	13,720	38,37,043	270	4,57,85,715	321	4,63,32,508	313	5,40,793	...
	GROSS ESTIMATED EXPENSES	...	...	...	...	...	...	2,12,29,544	149	2,16,01,688	146	3,71,544	...
	NET RECEIPTS	...	...	...	...	...	...	4,35,56,171	172	4,47,31,420	167	1,75,249	...
	<i>Assisted Companies.</i>												
of June 1889	Tarakshwar	22	4,208	191	22	6,440	293	69,583	284	72,673	297	3,090	...
1889	Dibro Sadia	...	...	...	...	(g) ...	...	(h) 83,803	107	(i) 96,000	123	12,293	...
of June 1889	Bengal and North Western	376	55,628	142	376	55,710	148	6,55,303	158	6,55,775	161	472	...
1889	Rohilkhand-Kumaun	67	6,300	97	67	6,747	101	82,171	111	91,719	124	9,548	...
	TOTAL	465	66,342	143	403	68,857	148	8,90,800	149	9,10,203	155	25,403	...
	<i>Native States.</i>												
1889	His Highness the Nizam's Guaranteed Company	277	30,588	110	354	31,947	90	3,36,320	110	4,45,869	116	1,09,549	...
to	His Highness the Gaekwar's	50	2,876	49	50	2,880	49	39,838	61	33,983	53	...	5,855
to	His Highness the Gaekwar's Melisana-Vadnagar	21	875	42	27	1,100	40	12,759	55	14,021	48	1,262	...
to	Bhavnagar-Gondal-Junagar-Borlandar	193	16,057	88	260	29,760	114	2,81,881	133	3,91,036	139	1,09,155	...
to	Morvi	68	4,910	43	68	4,713	69	54,740	73	57,872	71	3,132	...
to	Jodhpore	124	7,770	63	124	6,800	55	84,583	63	80,410	60	...	6,175
	TOTAL	742	61,976	84	892	77,200	87	8,12,123	100	10,23,191	106	2,11,068	...

cludes the Katni-Umaria Branch.
receipts for 4 days ending 15th June, 1889.
cludes the Bellary-Kistna State Railway.
cludes the Sindia State Railway.
cludes the Sindia and Bhopal-Irtari State Railways.
cludes the Amritsar-Pathankot and Rajpura-Bhatinda State Railways.
turn not received.

(h) Total receipts from 1st April to 15th June, 1889.
(i) Total receipts from 1st April to 15th June, 1889.
(j) Includes the Dhond-Manmad, Khamgaon, Amraoti, and Bhopal-Irtari State Railways.
(k) Includes the Dhond-Manmad, Khamgaon, and Amraoti State Railways.
(l) Includes the Patni Branch.

M. C. BRACKENBURY, Major, R.E.,

Under Secretaries.



The Gazette of India.

PUBLISHED BY AUTHORITY.

CALCUTTA, SATURDAY, JULY 13, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Comptroller General; &c.

GAZETTE OF INDIA.

NOTICE.

The 23rd March, 1889.

From the 13th April ~~next~~, till further notice, Parts I, IV, V, and VI of the *Gazette of India*, and the Weather and Crop Report, will be published at Simla. After the 6th April, all Notifications and other matter intended for publication in those Parts, should be addressed to the Officiating Publisher at Simla.

Revised rates from 1st January, 1887.

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Rules and Notifications issued under Legislative Acts, and having the force of law, may be obtained separately.

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Applications for the supply of the *Gazette* on the public service should be addressed to the Home Department.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

Attention is invited to the Circular Memo. of the Government of India, Home Department, of February, 1870, directing that all Notifications or other matter intended for insertion in the *Gazette of India* should be delivered at the Publisher's Office not later than 2 P.M. on Friday afternoon, and that matter sent after that hour must be certified to be extremely urgent in order to ensure its appearance in the next day's *Gazette*.

Matter intended for publication in the Supplement should reach the Press not later than Thursday.

E. J. DEAN,

Publisher, Gazette of India.

ORDERS BY THE VICE-CHANCELLOR AND SYNDICATE OF THE CALCUTTA UNIVERSITY.

The following text-book in Drawing has been adopted for the Entrance Examination of 1890 and subsequent years:—

Whitehall Drawing Copybook, Nos. 1, 2, 3, 6, and 9, Freehand.

CHARLES H. TAWNEY,

Registrar.

SENATE HOUSE,
The 10th July, 1889.

SURVEY OF INDIA.

NOTIFICATIONS.

Simla, the 5th July, 1889.

No. 748.—The following promotions are made, with effect from the 26th April, 1889, *vice* Colonel F. Coddington, S.C., Deputy Superintendent, 1st grade, deceased :—

Lieutenant-Colonel C. Strahan, R.E., Officiating Deputy Superintendent, 1st grade, is confirmed in that grade.

Colonel J. Waterhouse, S.C., Officiating Deputy Superintendent, 2nd grade, is confirmed in that grade.

Lieutenant-Colonel H. S. Hutchinson, S.C., Officiating Deputy Superintendent, 3rd grade, is confirmed in that grade.

Captain H. M. Jackson, R.E., Officiating Deputy Superintendent, 4th grade, is confirmed in that grade.

No. 749.—The following promotions are made, with effect from the 5th May, 1889, *vice* Mr. H. Hörst, Deputy Superintendent, 3rd grade, retired :—

Mr. E. C. Barrett, Officiating Deputy Superintendent, 3rd grade, is confirmed in that grade.

Captain G. B. Hodgson, S.C., Assistant Superintendent, 1st grade (on furlough), to be Deputy Superintendent, 4th grade.

No. 750.—The following promotions are made, with effect from the 28th June, 1889, *vice* Colonel W. F. Badgley, S.C., Deputy Superintendent, 2nd grade, retired :—

Lieutenant-Colonel M. W. Rogers, R.E., Officiating Deputy Superintendent, 2nd grade, is confirmed in that grade.

Lieutenant-Colonel R. Beavan, S.C., Officiating Deputy Superintendent, 3rd grade, is confirmed in that grade.

Captain S. G. Burrard, R.E., Officiating Deputy Superintendent, 4th grade, is confirmed in that grade.

Mr. F. Grant, Officiating Assistant Superintendent, 1st grade, is confirmed in that grade.

The 9th July, 1889.

No. 751.—The following promotions are made, with effect from the 9th May, 1889, *vice* Mr. J. T. U. Coxen, Assistant Surveyor, 1st grade, deceased :—

Mr. R. F. Warwick, Assistant Surveyor, 2nd grade, to be Assistant Surveyor, 1st grade.

Mr. A. B. Smart, Assistant Surveyor, 3rd grade, to be Assistant Surveyor, 2nd grade.

No. 752.—The following promotions are made, with effect from the 12th May, 1889, *vice* Mr. James Todd, Surveyor, 2nd grade, retired :—

Mr. H. W. Peychers, Surveyor, 3rd grade, to be Surveyor, 2nd grade.

Mr. T. E. M. Claudius, Surveyor, 4th grade, to be Surveyor, 3rd grade.

Mr. P. J. W. Doran, Officiating Surveyor, 4th grade, on the seconded list, is confirmed in that grade, but to continue on the seconded list while holding the post of Draftsman in the Head Quarters Office at Calcutta.

Mr. J. R. Scott, Officiating Surveyor, 4th grade, is confirmed in that grade, *vice* Mr. Doran, on the seconded list.

Mr. J. H. Wilson, Assistant Surveyor, 1st grade, to officiate as Surveyor, 4th grade.

Mr. A. George, Assistant Surveyor, 2nd grade, to be Assistant Surveyor, 1st grade.

Mr. C. G. Lee, Assistant Surveyor, 3rd grade, to be Assistant Surveyor, 2nd grade.

No. 753.—Mr. H. E. T. Keelan, Surveyor, 1st grade, having returned to duty from furlough on the 14th May, 1889, the following reversion will take effect from the same date :—

Mr. J. H. Wilson, Officiating Surveyor, 4th grade, to revert to his substantive appointment of Assistant Surveyor, 1st grade.

No. 754.—The following promotions are made, with effect from the 16th May, 1889, *vice* Mr. F. Grant, Surveyor, 1st grade, promoted to the Senior Division :—

Mr. H. R. Littlewood, Surveyor, 2nd grade, to be Surveyor, 1st grade.

Mr. G. Belcham, Surveyor, 3rd grade, to be Surveyor, 2nd grade.

Mr. W. Stotesbury, Surveyor, 4th grade, on the seconded list, to be Surveyor, 3rd grade, but to continue on the seconded list while holding the post of Draftsman in the Head Quarters Office at Calcutta.

Mr. A. J. James, Surveyor, 4th grade, to be Surveyor, 3rd grade, *vice* Mr. W. Stotesbury, on the seconded list.

Mr. J. McHatton, Officiating Surveyor, 4th grade, is confirmed in that grade.

Mr. J. H. Wilson, Assistant Surveyor, 1st grade, to officiate as Surveyor, 4th grade.

Mr. W. H. D. Ewing, Assistant Surveyor, 2nd grade, to be Assistant Surveyor, 1st grade.

Mr. F. S. Bell, Assistant Surveyor, 3rd grade, to be Assistant Surveyor, 2nd grade.

J. SCONCE, Colonel, S.C.,
Officiating Surveyor General of India.

SURVEY OF INDIA DEPARTMENT— REVENUE BRANCH.

NOTIFICATION.

Calcutta, the 9th July, 1889.

No. 6.—Mr. C. W. F. Seyers, Assistant Surveyor, 1st grade, is granted privilege leave for three months, with effect from 20th ultimo, under Article 277 of the Civil Service Regulations.

CHAS. STRAHAN, *Lieut.-Col., R.E.,*

*Offg. Dpty. Surveyor-General,
In charge Revenue Branch, Survey of India.*

TELEGRAPH DEPARTMENT.

NOTIFICATIONS.

Simla, the 3rd July, 1889.

No. 22.—Offices reported opened and closed during the month of June, 1889:—

Name of Office.	Where situated.	Date.	REMARKS.
	<i>Government Telegraph Offices.</i>	1889.	
Grant's Buildings	Bombay	30th June.	Closed.
Jalna . . .	Hyderabad, Deccan.	15th "	Opened.
Kaladanda . .	N.-W. Provinces.	17th "	Ditto.
Lings . . .	Upper Burma	8th "	Closed.
Mahabaleswar .	Bombay Presdy.	15th "	Ditto.
Matheran . . .	Ditto	20th "	Ditto.
Siabyugyan . .	Upper Burma	16th "	Opened.
	<i>Railway Telegraph Offices.</i>	1889.	
Amraoh . . .	Assam-Bihar	1st June.	Opened.
Forbesganj . .	State Ry.		
Kasargan . . .	Ditto	15th "	Closed.
Sonapur . . .	Dibru-Sadiya	19th "	Opened.
Ledo . . .	Ry.		
Titak . . .			
Barwa-Sagar .			
Khurai . . .			
Mau . . .			
Mundra . . .	Indian-Midland	5th "	Ditto.
Narioli . . .	Ry.		
Ranipur Road .			
Saugor . . .			
Tehoris . . .			
Majorda . . .	West of India Pactugara Ry.	...	Closed.

NOTE.—The name of the office hitherto known as "Gontakal, Madras Railway," has been changed to "Tinnevely, Madras Railway."

J. H. LANE,

*Director, Traffic Branch,
for Director General of Telegraphs.*

The 3rd July, 1889.

No. 13.—Mr. A. P. Hill, Assistant Superintendent, Class VI, of the 1st grade, is allowed furlough for eighteen months, under Section 340 of the Civil Service Regulations, with effect from the forenoon of the 2nd May, 1889.

H. MALLOCK,

Offg. Director General of Telegraphs.

AGENT TO THE GOVERNOR- GENERAL AND CHIEF COMMISSIONER IN BALUCHISTAN.

NOTIFICATION.

Quetta, the 1st July, 1889.

No. 3072.—Lala Udhodass, Munsif at Sibi, is granted privilege leave for three months, with effect from the forenoon of the 15th June, 1889.

2. Munshi Amar Singh, Officiating Naib Tahsildar at Sibi, is appointed to officiate as Munsif of Sibi during the absence on privilege leave of Lala Udhodass, or until further orders.

By Order,

E. G. COLVIN,

*First Asst. to the Govr.-Genl.'s Agent
in Baluchistan.*

AGENT TO THE GOVERNOR- GENERAL FOR CENTRAL INDIA.

NOTIFICATIONS.

Indore Residency, the 2nd July, 1889.

No. 2786.—In compliance with Foreign Department Notification, No. 1014-G, dated 10th June, 1889; Lieutenant-Colonel R. G. E. Dalrymple made over charge of the Office of Cantonment Magistrate, Nowgong, to Lieutenant A. S. Rooke on the afternoon of 17th June, 1889.

The 4th July, 1889.

No. 2830.—Lieutenant F. deH. Smith, Officiating Squadron Officer, 1st Regiment, Central India Horse, is granted privilege leave for thirty days, in extension of the privilege leave granted in this Office Notification, No. 1884, dated the 14th May, 1889.

The 5th July, 1889.

No. 2846.—Lieutenant-Colonel G. R. Peart, Commandant, Bhopal Battalion, returned from the furlough granted to him in Bombay Government Military Department Notifications, No. 574, dated 16th November, 1887, and No. 562, dated 4th December, 1888, and took over command of the Regiment from Lieutenant-Colonel Ransford, on the 13th June, 1889.

By Order,

F. W. P. MACDONALD,

*Asst. Agent to the Govr.-Genl.
for Central India.*

The 5th July, 1889.

No. 2856.—Lieutenant-Colonel H. Wylie, C.S.I., made over charge of the Bhopal (Sehore) Treasury to Lieutenant-Colonel C. Ransford, Bhopal Battalion, on the forenoon of the 25th June, 1889.

No. 2862.—The undermentioned 2nd class Hospital Assistant, in charge Burdi Dispensary, Baghelkhand Agency, having passed the Septennial Professional Examination, is promoted to

the grade of 1st class Hospital Assistant, with effect from the date of passing:—

Name.	DATE OF COMPLETION.		Date of passing professional examination.	Date of promotion.
	7 years' service.	14 years' service.		
Shao Narain.	Oct. 15, 1880	Oct. 15, 1887	June 17, 1889	June 17, 1889

By Order,
A. TUCKER,
Asst. Agent to the Govr.-Genl.
for Central India.

AGENT TO THE GOVERNOR-GENERAL, RAJPUTANA.

NOTIFICATIONS.

Abu, the 2nd July, 1889.

No. 2411-G.—Lieutenant H. L. Showers, Wing Officer of the Meywar Bhil Corps, is granted ninety days' privilege leave from 15th July, 1889, or such subsequent date as he may avail himself of the same.

The 4th July, 1889.

No. 2479-G.—Lieutenant F. T. C. Hughes, Adjutant, Erinpura Irregular Force, is granted thirty-four days' privilege leave, with effect from the 8th July, 1889, or such subsequent date as he may avail himself of the same.

The 5th July, 1889.

No. 2524-G.—With reference to Foreign Department Notification, No. 1154-G., dated 27th June, 1889, Surgeon A. E. Roberts, Indian Medical Service, assumed charge of his duties as Officiating Medical Officer of the Meywar Bhil Corps, from Surgeon C. Mactaggart, M.B., on the 30th idem.

By Order,
L. IMPEY, Lieut.,
for First Asst. Agent to the Govr.-Genl.
in Rajputana.

The 6th July, 1889.

No. 2541-G.—Captain J. A. Bell, Officiating Commandant, Deoli Irregular Force, is granted sixty days' privilege leave, with effect from the 3rd August, 1889, or such subsequent date as he may avail himself of the same.

By Order,
E. A. FRASER, Major,
First Asst. Agent to the Govr.-Genl.,
Rajputana.

CHIEF COMMISSIONER OF AJMERE-MERWARA.

NOTIFICATIONS.

Abu, the 2nd July, 1889.

No. 706—122.—The Reverend A. Gilrath, a Pastor of the Methodist Episcopal Church at Ajmere, is licensed, under Section 6 of Act XV of 1872 (Indian Christian Marriage Act), to solemnize marriages in Ajmere-Merwara.

The 4th July, 1889.

No. 728.—With reference to Foreign Department Notification, No. 1124-G., dated the 26th June, 1889, Surgeon-Major D. H. Mullen, M.D., returned to duty from privilege leave on the afternoon of 28th June, 1889.

By Order,
L. IMPEY, Lieut.,
for First Asst. to the Govr.-Genl.'s Agent,
Rajputana, & Chief Commr., Ajmere-Merwara.

DIRECTOR-GENERAL OF RAILWAYS.

NOTIFICATION.

Simla, the 3rd July, 1889.

No. 23.—With reference to Public Works Department Notification, No. 202, dated 1st July, 1889, Mr. P. P. Dease, Executive Engineer, 2nd grade, is posted to the North-Western Railway.

L. CONWAY-GORDON,
Director-General.

NORTH WESTERN RAILWAY.

NOTIFICATION.

Lahore, the 1st July, 1889.

No. 9.—With reference to Director's Notification, No. 6, dated 17th May, 1889, Mr. C. D. D. Wilson, Assistant Engineer, 2nd grade, is granted, under Section 52 of the Civil Leave Code, 6th Edition, an extension of one month's leave on medical certificate, with effect from the forenoon of 9th June, 1889.

W. A. J. WALLACE, Colonel, R.E.,
Director, N. W. Railway.

Report of a Deserter or Absentee without leave from the 7th Battery, 1st Brigade, Northern Division, Royal Artillery, dated at Barrackpore, this 5th day of July, 1889.

Number, Rank, and Name, —No. 60020, Gunner Thomas Richardson.	Place of residence for last 12 months before enlistment.—Sailor by profession, no fixed place of abode.
Age,—25 years 3 months.	
Height,—5 feet 6 inches.	
Colour of—	
Complexion, ruddy; Hair, brown; Eyes, hazel.	Marks,—Crossed keys and T. left forearm, scar underneath right ear.
Date of Desertion or Absence,—9-30 P.M., 1st July, 1889.	Trade,—Sailor.
Place of Desertion or Absence,—Barrackpore.	Regimentals or plain clothes,—Regimentals, (white.)
Date of Enlistment,—21st February, 1887.	REMARKS.—It is believed that this man proceeded to the docks, Calcutta, for the purpose of taking ship.
At what Place Enlisted,—London.	Under 3 years' service.
Parish and County in which Born,—Parish Bootle, Town Liverpool, County Lancaster.	

T. R. HARKNESS, Captain, R.A.,
Comdg. 7th Northern Divn., R.A.

Notice is hereby given that the monument over the grave of Captain Francis William Staveley Jackson, formerly of the 1st Bombay Lancers, and son of Sir Louis Stewart Jackson, late Judge, Calcutta High Court, has fallen out of repair, and will have to be demolished unless repaired by the relatives or others interested in its preservation.

Chaplain,
in charge of Frontier Cemeteries.

Mr. S. Sullen, Presidency Postmaster, Madras, was absent on privilege leave for seventeen days from the 8th June, 1889.

*Unclaimed Letters held in the Calcutta General Post Office
on the 10th July, 1880.*

Armstrong, S., Dr.	Eastman & Co.	The Secretary, Orient
Austin, H. H.	Freeborne, J. H.	Paper Mills Com-
Blyth & Co.	Nicol, G.	pany.
Clay, A. R.	Richards, W & Co.	Vangelder, T.

Abbott, C. A.
Allen, John.
Anderson, J. K.
Barrett, E. C.
Bather, H. K.
Braddon, Mr. C. J. S.
Burke, Mrs. K. A.
Carlton, Miss.
Cohn, Maritz.
Cliffe, A.
Commandant of
Nowgong Police.
Cox, E. T.
Darling, Miss C.
Davis, C.
Dennen, Patrick.
DeRylandt, Count J.
Deuch, Mrs. C.
Dowie, J.
Ellis, Thos.
Faintyley, E.
Floury, Miss Agnes.
Freedman, J. J.
Gailkeera, E.
Gibson, Peter.
Green, B.
Hallen, C.
Hamilton, Allan.
Hamilton, C.

Hamilton, C. J.
Herklotts, A.
Hindmarsh, William.
Humfray, R. S.
Hoskins, Mrs. C.
Hughes, R. J.
Inman, Capt. C.
Jackson, J.
Jackson, Mrs.
Kenny, C.
Kingham, A.
Kunert, Julius.
Maxwell, Mrs. M.
McKenzie, James F.
McMaster, J. E.
Meres, W. F.
Millic, W.
Monk, Mrs.
Morley, L.
Muller, H. A. H.
Mullins, L.
Naylor, G. M.
Nethering, R. O.
Nethlenson, Miss A.
Oldham and Oldham.
O'Brien, W. W.
O'Shea, G.
Olsen, F.
Parker, C. J.

Pearson, Mrs. W. A.
R.
Pisani, R.
Poliscene, N.
Pritchard, Mrs. A. H.
Ramsden, Miss Kate.
Rancourt, E. DeM.
Reinmington, Capt.
F. A.
Rivas, D. F.
Robert, P.
Robertson, William.
Rourke, J.
Ruchwaldy, Mrs. H.
Scott, J. D.
Silbermann, Simon.
Smith, J. M.
Solomon, Louis.
Staab, Henry.
Stand, Mary.
Stern, Madam Lee.
Sykes, A. F.
Taksier, David.
Thomasson, Mrs.
Tighe, J. L.
Vaz, George.
Vincent, J.
Walter, F.
Webber, M. F. V.

Brukowsky, J.	O'Brien, W. W.	Rubinstein, Anna.
Eglinton, C. A.	Rennie, W.	Silbermann, S.
Layway, M. M.	Rovilliod, Gustave.	Staab, Henry.
Monteney, R.		

Bassford, John. **Rashid, S. A.** **Reynolds, Mr.**

The 13th July, 1889.
SEA AND FOREIGN MAILS.

Mails for	Date of closing at Calcutta.	Route by which despatched.
	1889.	
Egypt, Europe, America, Cape Colonies, through United Kingdom.	13th July.	Per P. & O. Str. from Bombay.
Ditto ditto	20th "	Ditto.
'Ditto (Book Post and Pattern Packets)	19th "	Ditto.
• Mauritius, Mayotte, Nossi Be and Réunion Supplementary	13th "	Ditto.
Zanzibar, Mozambique, Delagoa Bay, Natal and Cape Colonies Supplementary	13th "	Ditto.
Ceylon, Straits Settlements, Netherlands India, Labuan, Bangkok (Siam), Philippine Islands, China and Japan	15th "	Ditto.
Australia, New Zealand and Tasmania	15th "	Ditto.
Colombo	19th "	Per P. and O. Steamer <i>Shannon</i> .
Straits and Hong-Kong	22nd "	Per Steamer <i>Japan</i> .
Rangoon and Moulmein	16th "	Per Steamer <i>Khandalla</i> .
Ditto ditto	19th "	Per Steamer <i>Nowsheva</i> .
Akyah, Kyaukpyu, and Rangoon	17th "	Per Steamer <i>Cocoonada</i> .

N.B.—On ordinary days the letter-box will close at 7 P.M. precisely; after which hour inland letters and papers, fully prepaid and bearing an extra postage stamp of half anna, and foreign letters and papers fully prepaid and bearing an extra stamp of four annas, will be received up to 7-30 P.M.

On the day of despatch of the Overland Mail for Europe, the letter-box for foreign letters will close at 8-30 P.M., and late letters and papers will be received up to 9 P.M.

E. HUTTON,
Presidency Postmaster, Calcutta

This preparation is an efficient substitute for quinine, and can be purchased by Government officers for public and charitable purposes, and by any one taking *twenty pounds* at a time, from the Superintendent, Botanical Garden, Calcutta, *for cash only*, at the following rates—per four-ounce tin, *Rs. 14*; per eight-ounce tin, *Rs. 7-4*; per pound tin, *Rs. 14*. The general public can be supplied by the Superintendent, Botanical Garden, *for cash only*, at the under-noted rates—per four-ounce tin, *Rs. 14*; per eight-ounce tin, *Rs. 9-4*; per pound tin, *Rs. 17-8*. This medicine is also sold by the principal European and Native druggists in Calcutta. Postage, four annas per four-ounce tin, eight annas per eight-ounce tin, and twelve annas per pound tin, in addition to the foregoing rates.

گورنمنٹ سنکھونا فبري فيوج

یہ ہوا کوئٹھانہیں کا صدہ بدل ہی اور کلکتہ کے بوتانکل
گارتھ یعنی کمپنی باغ کے سوپرٹنڈنٹ صاحب سے ہوا ایک ملازم
سروکاری واسطے سرکاری کام اور غیروا کے اور جو کوئی ایک مسافر
پیس پونڈ خرید کرنے والا ہو وہ نقد خرید کرنے کی شرط پر
نیچے کے لکھے ہوئے بھاؤ سے خرید کر سکتا ہی یعنی —
چار اونس کے تیس کے تیس روپی چودہ آنے ؛ آٹھ اونس کے
تیس کے سات روپی چار آنے ؛ ایک پونڈ کے تیس کے چودہ روپی ؛

اور موام الناس ہوتا نکاح گاہیں یعنی کہنی باغ کے سرپرستوں صاحب سے بقیہ نقد نیچے کے لئے ہوتے ہیں ہارے خیرہ کو سکتے ہیں یعنی — چار اونس تیس کے چار روپی چھوٹے آنے ; آٹھ اونس کے تیس کے نو روپی چار آنے ; ایک پونڈ کے تیس کے سترا روپی آٹھ آنے ،

یہ دوا کلکتہ کے بڑے بڑے دلاہتی اور دیسی ہوا خانوں میں بکتی ہی ماسوائے قیمت مذکورہ بالا کے مصروف قاک چار اونس تیس کے چار آنے ; اور آٹھ اونس کے تیس کے آٹھ آنے ; اور ایک پونڈ کے تیس کے بارہ آنے ،

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JOHN ELIOT,

*Offg. Meteorological Reporter to the
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PUBLISHED BY AUTHORITY.

CALCUTTA, SATURDAY, JULY 13, 1889.

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PART III.

Advertisements and Notices by Private Individuals and Corporations.

BRUCE INSTITUTION.

ANNUAL ELECTION, 1889.

The Governors of the Bruce Institution will proceed, at 5 P.M., on Tuesday, the 20th August, 1889, to the election of fourteen Eurasian girls on the Bruce Foundation. Candidates must, on the day of election, be not over ten years of age, and preference will be given to orphans and to those deserted by their parents.

Forms of application may be obtained from the Assistant in charge of the office of the Bruce Institution, Room No. 29, top floor, Writers' Buildings, and applications on these forms only will be received by that officer up to Saturday, the 10th August, 1889.

By order of the Governors,

CHARLES H. TAWNEY,
Offg. Hony. Secretary.

OFFICE OF THE BRUCE INSTN.,
The 10th July, 1889.

PROMISSORY NOTES.

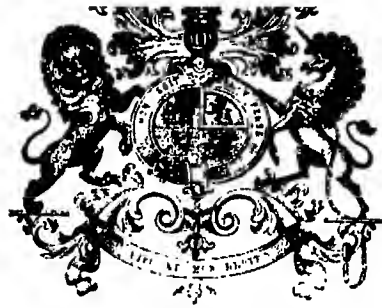
Lost.

The Government Promissory Notes of the 4 per cent. loan of 1842-43 specified below, aggregating in amount Rs11,500, standing in the name of P. C. Rosario, by whom they were never endorsed to any other person, having been lost, notice is hereby given that payment of the notes and the interest thereupon have been stopped at the Public Debt Office, Bank of Bengal, Calcutta, and that application is about to be made for the issue of duplicates in favour of the proprietor. The public are cautioned against purchasing or otherwise dealing with the undermentioned securities :—

Number.	Madras Number.	Bombay Number.	Amount in Rupees.	When and how purchased.	REMARKS.
108603—106902	24142	20169	5,000	Purchased on 8th September, 1882, through Chartered Mercantile Bank, Bombay, by Revd. Father A. Mutti's cheque on Hong-Kong Bank.	N.B.—The last mentioned note, i.e., the one for Rs1,500, was consolidated through the Treasury Officer, South Canara.
109460—064883	24143	20189	5,000		
128545—024107	83—28	...	1,500		

J. L. FERNANDEZ.

MANGALORE,
The 11th June, 1889.



The Gazette of India.

PUBLISHED BY AUTHORITY.

No. 29.}

SIMLA, SATURDAY, JULY 20, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

CONTENTS.

PART I.—Government of India Notifications, Appointments, Promotions, Leave of Absence, General Orders, Rules and Regulations.

PART II.—Notifications by High Court, Comptroller General, Administrator General, Paper Currency Department, Presidency Pay Master, Money Order Department, Mint Master, Secretary and Treasurer, Bank of Bengal, Superintendent of Government Printing, and other Government Officers; Postal, Telegraph, and Commissariat Notices.

PART III.—Advertisements and Notices by private individuals and Corporations.

PART IV.—Acts of the Governor-General's Council assented to by the Governor-General:—

Nothing for Publication.

PART V.—Bills introduced into the Council of the Governor-General of India for making Laws and Regulations, or Reports of Select Committees presented to the Council:—

Nothing for Publication.

PART VI.—Abstract of the Proceedings of the Council of the Governor-General of India, assembled for the purpose of making Laws and Regulations:—

Nothing for Publication.

SUPPLEMENT No. 29.

PART I.

Government of India Notifications, Appointments, Promotions, &c.

LEGISLATIVE DEPARTMENT.

NOTIFICATION.

Simla, the 18th July, 1889.

No. 18.—His Excellency the Governor-General, under the authority vested in him by the Statute 24 and 25 Vict., Cap. 67, section 10, has been pleased to nominate Rákhi Khem Singh, C.I.E., to be an Additional Member of the Council of the Governor-General for the purpose of making Laws and Regulations.

S. HARVEY JAMES,
Secretary to the Government of India.

HOME DEPARTMENT.

NOTIFICATIONS.

ESTABLISHMENTS.

Simla, the 16th July, 1889.

No. 391.—The services of Lieutenant F. Tweddell, Assistant Commissioner in Assam, are replaced at the disposal of the Military Department.

No. 394.—Lieutenant A. E. Woods, Madras Staff Corps, 3rd Sikh Infantry, Punjab Frontier Force, is appointed to be an Assistant Commissioner of the 3rd Grade in Assam.

MEDICAL.

The 16th July, 1889.

No. 444.—The services of Surgeon E. Cretin, M.B., are at his own request replaced at the disposal of the Military Department.

The 17th July, 1889.

No. 446.—The services of Surgeon D. B. Spencer are replaced at the disposal of the Military Department.

The 18th July, 1889.

No. 448.—The services of Surgeon W. H. B. Robinson, I.M.S., are placed temporarily at the disposal of the Government of Bengal.

No. 450.—The services of Surgeon A. R. Edwards are replaced at the disposal of the Military Department, with effect from the 4th February, 1889.

POLICE.

The 16th July, 1889.

No. 492.—The services of Mr. R. F. Guise, District Superintendent of Police, Bengal, which were placed at the disposal of the Chief Commissioner of Assam by Home Department Notification No. 338, dated the 9th September, 1887, are replaced at the disposal of the Government of Bengal.

The 17th July, 1889.

No. 498.—In supersession of Home Department Notification No. 362, dated 6th June, 1889, the services of Mr. I. H. W. D. Clark, District Superintendent of Police, Dacca, are placed temporarily at the disposal of the Military Department.

No. 503.—With reference to Home Department Notification No. 560, dated the 8th November, 1888, the services of Lieutenant T. C. Benson, 2nd Battalion, Royal Munster Fusiliers, are replaced at the disposal of the Military Department.

The 18th July, 1889.

No. 507.—Mr. G. D. M. Moore-Lane, officiating Assistant District Superintendent of Police, Punjab, is appointed on probation to be an Assistant District Superintendent of Police, 2nd Class, A. List in Burma.

A. P. MACDONNELL,

Secretary to the Government of India.

CHIEF COMMISSIONER OF ANDAMAN AND NICOBAR ISLANDS, AND SUPERINTENDENT OF PORT BLAIR.

NOTIFICATION.

Port Blair, the 2nd July, 1889.

No. 5 of 1889-90.—In exercise of the power conferred by section 5 of the Scheduled Districts Act, XIV. of 1874, the Chief Commissioner of the Andaman and Nicobar Islands, with the previous sanction of the Governor-General in Council, extends to the Chief Commissionership of the Andaman and Nicobar Islands, sections 1 and 3 of Act X. of 1888 (*to amend the Code of Civil Procedure and the Presidency Small Cause Courts Act, 1882*).

T. CADELL, Colonel,

Chief Commissioner, Andaman and Nicobar Islands, and Superintendent, Port Blair.

REVENUE AND AGRICULTURAL DEPARTMENT.

NOTIFICATION.

FORESTS.

Simla, the 19th July, 1889.

No. 751-F.—Mr. B. Ribbentrop, Inspector-General of Forests to the Government of India, is granted furlough for nineteen months, together

with the usual subsidiary leave, with effect from the 7th August, 1889, or the subsequent date on which he may avail himself of it.

E. C. BUCK,

Secretary to the Government of India.

FOREIGN DEPARTMENT.

NOTIFICATIONS.

Simla, the 13th July, 1889.

No. 1282-G.—Colonel H. M. S. Magrath, District Magistrate of the Civil and Military Station of Bangalore, held charge, in addition to his own duties, of the offices of Assistant to the Resident in Mysore, and Secretary to the Chief Commissioner of Coorg, from the 17th to the 24th April, 1889, both days inclusive.

The 16th July, 1889.

No. 1289-G.—Colonel E. S. Reynolds, Political Agent of the 1st Class, is posted, on return from special leave, as Political Agent in South-Eastern Baluchistan, with effect from the date of assuming charge.

The 17th July, 1889.

No. 1293-G.—Captain E. R. Penrose, Wing Officer, 2nd Battalion, 4th Bombay Infantry, is appointed to officiate as Wing Commander and Second-in-Command of the Meywar Blieel Corps, and as Second Assistant to the Resident in Meywar, with effect from date of joining, and during such time as Lieutenant-Colonel N. R. Stewart may officiate as Commandant of the Merwara Battalion, or until further orders.

No. 2903-I.—Under section 56 of the Indian Christian Marriage Act, XV. of 1872, and in supersession of Foreign Department notification No. 1762-G., dated the 31st August, 1875, the Governor-General in Council hereby appoints the Registrar-General of Births, Deaths, and Marriages for the Presidency of Madras, for the time being, to be the officer to whom Marriage Registrars in Mysore shall send the certificates mentioned in section 54 of the Act.

The 19th July, 1889.

No. 1396-E.—Kazi Jalal-ud-din Khan, Tahsildar, in Pishin, is appointed to be a Native Assistant to the Governor-General's Agent in Baluchistan, and is posted to Pishin, with effect from the date of assuming charge.

H. M. DURAND,

Secretary to the Government of India.

DEPARTMENT OF FINANCE AND COMMERCE.

NOTIFICATIONS.

LEAVE AND APPOINTMENTS.

Simla, the 16th July, 1889.

No. 3669.—In partial supersession of the Notification in this Department No. 3027, dated

the 18th June 1889, Mr. H. S. Groves, Assistant Accountant-General, Bombay, is granted privilege leave for three months from such date about the 22nd July 1889 as he may avail himself of it.

Mr. A. H. Anthony, Assistant Comptroller-General attached to the Paper Currency Office at Calcutta, is appointed to officiate as Comptroller, Hyderabad, during Mr. T. H. S. Biddulph's absence on privilege leave for two months and twenty-eight days from the 31st July 1889.

Mr. L. E. Pritchard, Probationer, attached to the Office of the Comptroller and Auditor General, is transferred to the Paper Currency Office at Calcutta.

The 19th July, 1889.

No. 3744.—Mr. E. Gay, Comptroller and Auditor General and Head Commissioner of Paper Currency, is granted privilege leave from the 10th August to the 29th September 1889, both days inclusive, and the following arrangements are consequently made:

Mr. E. F. T. Atkinson, C.I.E., Accountant-General, Bengal, to officiate as Comptroller and Auditor General and Head Commissioner of Paper Currency;

Mr. E. W. Kellner, Deputy Comptroller-General, to officiate as Accountant-General, Bengal; and

Mr. C. R. C. Kiernander, Deputy Auditor-General, to officiate as Deputy Comptroller-General.

PAPER CURRENCY.

The 16th July, 1889.

No. 3673.—Abstract of the Accounts of the Department of Issue of Paper Currency on the 30th June, 1889, published as required by Section 27 of the Indian Paper Currency Act, XX. of 1882.

CIRCLES OF ISSUE.	Whole amount of Notes in circulation.	RESERVE IN SILVER COIN AND BULLION.		
		Coin.	Bullion.	Total.
	Rs.	Rs.	Rs.	Rs.
Calcutta	6,73,000	2,36,02,402	11,04,014	2,37,06,416
Allahabad	1,79,205	69,45,560	...	69,45,560
Lahore	1,79,555	38,89,470	...	38,89,470
Bombay	87,46,000	22,66,214	39,53,536	4,02,19,750
Kurrachee	1,19,55,915	54,62,205	25,700	54,87,905
Madras	38,88,125	76,62,930	3,10,000	79,72,930
Calicut	1,69,79,110	20,34,150	...	20,34,150
Rangoon	14,86,190	68,53,840	...	68,53,840
TOTAL	16,30,050	77,16,771	53,93,250	10,31,10,021
Deduct the amount received at Bombay but not paid at Kurrachee				5,00,000
NET TOTAL				10,26,10,021
Price paid for Government Securities of the nominal value of Rs. 6,23,51,700 held under Section 19 of the Act				5,98,30,029
GRAND TOTAL				16,24,30,050

E. J. SINKINSON,

Offg. Secretary to the Government of India.

MILITARY DEPARTMENT.

Simla, the 19th July, 1889.

APPOINTMENTS.

ARMY STAFF.

No. 641.—Captain F. S. Gwatkin, Bengal S. C., Station Staff Officer, Ferozepore, to be a District Staff Officer, 2nd class, *vice* Major W. G. C. Halkett, who has reverted to regimental duty. Dated 27th June, 1889.

STAFF CORPS.

No. 642.—The undermentioned officers are admitted to the Bengal Staff Corps, with effect from the dates specified, subject to confirmation by the Secretary of State for India:

Lieutenant Thomas Moore Kirkwood, Somersetshire Light Infantry, officiating Wing Officer, 4th Infantry, Hyderabad Contingent,—29th December, 1887.

Lieutenant Ernest Joseph Macfarlane Wood, East Surrey Regiment, officiating Wing Officer, 6th Infantry, Hyderabad Contingent,—28th January, 1888.

Lieutenant Henry Barnes Peacock, 7th Hussars, officiating Squadron Officer, 17th Bengal Cavalry,—9th May, 1888.

No. 643.—The undermentioned officers having completed eighteen months' probationary service, are admitted to the Bengal Staff Corps, with effect from the dates specified, subject to confirmation by the Secretary of State for India:

Lieutenant Ernest Llewellyn Williams, Liverpool Regiment, Wing Officer, 20th Bengal Infantry,—14th November, 1887.

Lieutenant Philip John Miles, Royal Marine Light Infantry, officiating Wing Officer, 4th Punjab Infantry, Punjab Frontier Force,—31st December, 1887.

Lieutenant Alfred Carnac Watson, Wiltshire Regiment, officiating Wing Officer, 11th Bengal Infantry,—28th January, 1888.

No. 644.—Second Lieutenant Walter Cleland Scott, Hampshire Regiment, Wing Officer, 38th Bengal Infantry, having completed eighteen months' probationary service, is admitted to the Bengal Staff Corps, from the 2nd January, 1888, subject to confirmation by the Secretary of State for India.

Second Lieutenant Scott will rank as Lieutenant in the Bengal Staff Corps, with effect from the 2nd January, 1888, subject to Her Majesty's approval.

FURLOUGH AND LEAVE.

No. 645.—The undermentioned officers are granted leave to proceed out of India on private affairs under the leave rules for the Staff Corps; the specified period to count from the date of being struck off duty:

Lieutenant-Colonel C. J. Walter, Bengal S. C., Commandant, 8th Bengal Infantry, for ninety-two days. Pension service—29th year commenced 10th February, 1889.

Surgeon P. O. W. Halley for 182 days. Pension service—3rd year commenced 4th July, 1889.

No. 646.—The undermentioned officers have been granted extensions of furlough or leave by the Secretary of State for India:

Colonel W. H. Macnaghten, C.B., Cavalry, (m. c.) for six months.

Captain E. W. Dun, D.S.O., Bengal S. C., (m. c.) for three months.

Captain J. L. O'Bryen, Bengal S. C., (m. c.) for four months.

Surgeon R. J. Marks (m. c.) for two months.

Surgeon A. Duncan, M.D., (m. c.) for four months.

LONDON GAZETTE.

No. 647.—The following extract is published for general information:

"*London Gazette*," dated the 25th June, 1889, page 3410.

WAR OFFICE,

Pall Mall, 25th May, 1889

MEMORANDA.

* * * * *

Deputy-Assistant Commissary John William Borthistle, Madras Establishment, has been granted the honorary rank of Lieutenant. Dated 15th March, 1889.

PROMOTIONS.

No. 648.—Under the provisions of the Royal Warrant of the 10th November, 1881, the name of Major-General G. F. Hogg, C.B., Bombay S. C., was placed on the list of Lieutenant-Generals on the Indian Gradation List, in consequence of the transfer to the Unemployed Supernumerary List of Lieutenant-General H. H. A. Wood, C.B., Bombay S. C., on the 31st March, 1888.

No. 649.—The following promotions are made, subject to Her Majesty's approval:

To be Colonels in the Army.

15th July, 1889.

Lieutenant-Colonel George Edward Reade, Bengal General List, Infantry.

Lieutenant-Colonel Henry Owen Cumberlege, Bengal General List, Infantry.

BENGAL STAFF CORPS.

To be Majors.

14th July, 1889.

Captain George Edward Money.

Captain John Clibborn.

ORDNANCE DEPARTMENT.

No. 650.—The undermentioned Sub-Conductors on probation are confirmed in their present grade, with effect from the dates specified:

Thomas Lynch,—13th February, 1889.

Charles Walter McMorran,—13th February, 1889.

John Henry Aggas,—18th February, 1889.

NATIVE ARMY.

No. 651.—1st Bengal Cavalry—

Jemadar Muzaftar Ali to be Ressaidar, and Kot-Dafadar Mazhar Ali Khan to be Jemadar, *vice* Shaikh Mazhar Ali, transferred to the pension establishment, with effect from the 1st May, 1889.

No. 652.—11th Bengal Infantry—

Jemadar Yúsuf Khan to be Subadar, and Color-Havildar Sukh-ráj Singh to be Jemadar, *vice* Subadar-Major Darsan Singh, *Sardar Bahádur*, transferred to the pension establishment, with effect from the 1st May, 1889.

No. 653.—2nd Battalion, 4th Gurkha Regiment—

Jemadar Mádhó Singh Rána to be Subadar, and Havildar Jangbir Gurúng to be Jemadar, *vice* Púran Singh, transferred to the pension establishment, with effect from the 5th June, 1889.

PUNJAB FRONTIER FORCE.

No. 654.—5th Punjab Cavalry—

Ressaidar Kesar Singh to be Resaldar, Jemadar Sohan Singh to be Ressaidar, and Kot-Dafadar Kundal Khan to be Jemadar, *vice* Resaldar-Major Amír Ali Shah, *Sardar Bahádur*, transferred to the pension establishment, with effect from the 1st April, 1889.

REWARDS.

ORDER OF MERIT.

No. 655.—The Governor-General in Council is pleased to admit the undermentioned individual to the 3rd Class of the Order of Merit:

No. 2533, LANCE-NAIK BHIM SINGH THAPA, 42nd Bengal Infantry (Gurkha Light Infantry), for conspicuous gallantry in action near Fort White, Chin Hills, Upper Burma, on the 6th April, 1889, when the party under his command was fired upon by a band of the enemy in ambush.

VOLUNTEER CORPS.

No. 656.—The Governor-General in Council is pleased to sanction the amalgamation of the Purneah Rifles with the Northern Bengal Volunteer Rifle Corps.

For Genl. RESIGNED to Pishir

No. 657.—Gauhati R. charge.

Captain A. J. Mein re H. M. D. Commission.

The Govern

MARINE DEPARTMENT.

FURLOUGH AND LEAVE.

No. 37.—Mr. B. G. Relf, second grade officer, Indian Marine, has been granted by the Secretary of State for India an extension of furlough (m. c.) for four months,

E. H. H. COLLEN,

Secretary to the Government of India

MILITARY DEPARTMENT.

NOTIFICATION.

Simla, the 19th July, 1889.

Under Clause 25 of the Regulations appended to the Regimental Debts Act of 1863, it is notified that report of the death of the undermentioned Warrant Officer on the date specified was received in the Military Department between the 28th June and the 19th July, 1889:

Corps.	Rank and Name.	Date of Decease.	Place of Decease.	Testate or Intestate.	Remarks.
Commissariat Department.	Sub-Conductor E. G. Needs	21st May 1889	Bareilly.	.	.

Statement of Deposits on account of Estates between the 5th and the 19th July, 1889.

On whose account.	Rank.	Corps.	Date of Decease.	Testate or Intestate.	Total Unclaimed Amount deposited.	Amount paid in India.	Date to which claims will be received.
					<i>Rs. a. p.</i>		
Henry deGrey Warter, (a).	Colonel ...	Royal Artillery.	23rd March 1889.	Will left ...	2,516 2 1	...	18th September 1889.

(a) Widow—Annette Lonla. Children—Ellen Annette and Henry deGrey. Address—Care of Crosswell Pells, Esq., Solicitor, The Guildhall, Shrewsbury.

E. H. H. COLLEN,

Secretary to the Government of India.

PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

Simla, the 13th July, 1889.

No. 214.—The following appointments are made during the absence on three months' privilege leave of Major W. H. Coaker, R.E., Deputy Manager, Class I., Grade 3rd, sub. *pro tem.*, of the Superior Revenue Establishment of State Railways, or until further orders:

Major W. Pitt, R.E., Deputy Manager and Executive Engineer, 2nd Grade, sub. *pro tem.*, to officiate in Class I., Grade 3rd, of the Superior Revenue Establishment of State Railways, *vice* Major Coaker.

Mr. J. S. Brown, Executive Engineer, 3rd Grade, to officiate as Deputy Manager, *vice* Major Pitt.

The 16th July, 1889.

No. 215.—Major J. W. Ottley, R.E., Superintending Engineer, 2nd Class, *temporary rank*, is appointed to officiate as Chief Engineer and Joint Secretary to the Government of the Punjab, Public Works Department, Irrigation Branch,

during the absence of Lieutenant-Colonel F. J. Home, R.E., on privilege leave, or until further orders.

Major S. L. Jacob, R.E., Executive Engineer, 1st Grade, Punjab, is appointed to officiate as a Superintending Engineer, *vice* Major Ottley, R.E.

No. 216.—Colonel F. D. M. Brown, V.C., S.C., Executive Engineer, 1st Grade, North-Western Provinces and Oudh, on special leave, is promoted to Superintending Engineer, 3rd Class, with effect from 2nd April 1889.

The 18th July, 1889.

No. 217.—In continuation of Notification No. 87, dated 19th March, 1889, Mr. R. A. Corder, Executive Engineer, 1st Grade, North-Western Provinces and Oudh, on special duty, is appointed Superintending Engineer, 3rd Class, temporary, during the absence of Lieutenant-Colonel G. T. Skipwith, R.E., on furlough.

Mr. M. King, Executive Engineer, 1st Grade, North-Western Provinces and Oudh, will continue to officiate as a Superintending Engineer, during the absence of Mr. Corder on special duty.

No. 218.—Colonel C. M. Moberly, M.S.C., Examiner of Guaranteed Railway Accounts,

Bombay, is appointed to hold charge until further orders of the Office of Examiner of Public Works Accounts, Bombay, in addition to his own duties, with effect from the forenoon of the 7th June, 1889.

The 19th July, 1889.

No. 219.—Mr. V. Rigny, Executive Engineer, 1st Grade, State Railways, is placed in charge of the current duties of the Office of Engineer-in-Chief, Sind-Pishin State Railway, in addition to his own duties, until further orders, with effect from the 9th May, 1889.

No. 220.—Public Works Department Notification No. 202, dated 1st July, 1889, posting Mr. P. P. Dease, Executive Engineer, 2nd Grade, to the Establishment under the Director-General of Railways, is cancelled.

No. 221.—The services of Mr. F. D. Couchman, Assistant Engineer, 2nd Grade, State Railways, are transferred from the Establishment under the Government of Bengal to that under the Director-General of Railways.

No. 222.—The following is published for general information :

No. 2 R., dated 18th July, 1889.

RESOLUTION—By the Government of India, Public Works Department.

Examination of Traffic Candidates for admission to the Traffic Department of State Railways.

Read again—

Public Works Department Circular No. 2 Railway, dated 10th October, 1888.

Read also—

Public Works Department Resolution No. 19-A.E., dated 25th January, 1889.

RESOLUTION.—In supersession of the orders issued in paragraph 5 (i) of Public Works Department Circular No. 2 Railway, dated 10th October 1888, the Governor-General in Council is pleased to rule that the examination for appointment to the Superior Accounts Branch of the Public Works Department, prescribed in paragraph 2 of Public Works Department Resolution No. 19 A.E., dated 25th January 1889, shall also be made applicable to the Traffic Department of State Railways.

ORDER.—Ordered, that copies of this Resolution be communicated, for information and guid-

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.

The Chief Commissioners of the Central Provinces, Burma, and Assam.

The Resident at Hyderabad.

The Agents to the Governor-General for Central India, Rajputana, and Baluchistan.

The Accountant-General, Public Works Department.

The Director-General of Railways.

The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division, and Lucknow.

ance, to the Local Governments, Administrations, and Officers marginally noted.

Ordered also, that it be published in the *Gazette of India*.

R. C. B. PEMBERTON, Colonel, R.E.,

Secretary to the Government of India.

GOVERNMENT OF INDIA.
REVENUE AND AGRICULTURAL DEPARTMENT.

ABSTRACT SHOWING THE RESULT OF EMIGRATION FROM THE PORT OF CALCUTTA DURING THE MONTH OF MAY, 1889.

No. I.—As to Age and Sex.

	NATAL.			TOTAL.		Grand Total.
	Males.	Females.	Total.	Males.	Females.	
Under 2 years	21	15	36	21	15	36
From 2 to 10 years	38	39	77	38	39	77
" 10 " 20 "	54	22	76	54	22	76
" 20 " 30 "	293	136	429	293	136	429
" 30 " 40 "	46	29	75	46	29	75
" 40 " 50 " . . . . .	...	...	...	...	...	...
Above 50 years . . . . .	...	...	...	...	...	...
GRAND TOTAL	452	241	693	452	241	693

No. II.—As to places whence Emigrants came to Calcutta for embarkation.

	NATAL.			TOTAL.		Grand Total.
	Males.	Females.	Total.	Males.	Females.	
Orissa . . . . .	...	...	...	...	...	...
Western Bengal . . . . .	...	1	1	...	1	1
Central ditto . . . . .	...	...	...	...	...	...
Eastern ditto . . . . .	...	...	...	...	...	...
Behar	88	49	137	88	49	137
North-Western Provinces	221	140	361	221	140	361
Oudh	141	49	190	141	49	190
Central India	2	1	3	2	1	3
Punjab . . . . .	...	...	...	...	...	...
Nepal and Native States . . . . .	...	1	1	...	1	1
Mixed, Bombay and Madras, . . . . .	...	...	...	...	...	...
GRAND TOTAL	452	241	693	452	241	693

No. III.—As to Caste and Religion.

Brahmins and high castes	93	43	136	93	43	136
Agriculturists	208	95	303	208	95	303
Artisans	5	1	6	5	1	6
Low castes	141	90	231	141	90	231
Musulmans	5	12	17	5	12	17
Christians . . . . .	...	...	...	...	...	...
GRAND TOTAL	452	241	693	452	241	693

Memo.

	Males.	Females.	Total.
1. Hindus	447	229	676
2. Musulmans	5	12	17
3. Christians . . . . .	...	...	...
TOTAL	452	241	693

E. C. BUCK,
Secretary to the Government of

GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

**Weather Review of India for the week ending at 8 a.m. on
Monday, July 15th, 1889.**

The weather during the week under review has, like that of the two preceding weeks, been on the whole quiet and of the normal monsoon character. Towards the close of the period a storm commenced to form over the Bay of Bengal, but the disturbance had not assumed any considerable proportions, by the close of the week, and its effect on the weather, except in Northern India, was slight and unimportant. The differences of pressure between the south and north of the Indian region have been on the whole slighter than is ordinarily the case, and the monsoon currents have been in most cases below their normal strength.

The chart of the 9th showed the ordinary low pressure area over Sind and high pressure area over Malabar and the south of the Bay, with a trough of relatively low pressure over the Gangetic plain. This distribution is ordinarily associated with the most extended distribution of the monsoon current, and the chart shows moist rain-bearing winds in almost all parts of the Indian region. The principal features of this distribution were reproduced on the chart of the 10th, but the barometric difference between south and north was smaller and the force of the monsoon current lower. On the morning of the 11th the barometer was falling in all parts of the Indian region, except Bengal and Burma. The changes had not however affected the general distribution, which remained practically unchanged. The wind directions were generally fairly normal, but around the upper part of the Bay there was an irregular indraught towards the centre of the Bay, which probably indicated the existence of a small low pressure area between the Arakan and Circar Coasts. The Chart of the 12th showed a brisk to moderate barometric rise over North-Western India and a fall in most other places. These changes resulted in the production of very uniform pressures over the whole of Northern and Central India, accompanying which were very light and variable winds. Over the Peninsula moderate gradients existed and the wind blew strongly, more particularly on the North Konkan Coast. Around the upper part of the Bay the wind directions were unchanged. There was very little alteration on the 13th, except that the isobaric lines over the Bay now gave definite indication of the presence of a low pressure area over the centre of the Bay. Calms and light breezes prevailed over Northern and Central India, but over the Peninsula the monsoon continued to blow strongly. Conditions were unsettled on the Kattiawar Coast, where the wind directions were irregular and the weather squally. On the 14th the barometer was falling everywhere and the depression over the Bay was much better defined. Gradients were increasing over the Peninsula and the Bay, and the monsoon was blowing freshly, though at Bombay the force of the wind had decreased. The Bay monsoon apparently fed into the depression, as the winds over Northern India were light and rather variable. On the 15th the depression over the Bay displayed a well defined centre lying near the Orissa Coast. The barometer was falling everywhere, briskly in the North-West, and the general conditions presented a well marked example of a type of weather which is not uncommon during the progress of the south-west monsoon. The winds were cyclonic around the storm area; fairly normal elsewhere.

Temperature.—The variations of temperature from the mean have been much larger during the present than during the preceding week. This result is attributable to the variations in the extent of the monsoon currents; hence the irregularities are greatest in Upper India, where the variations in the monsoon current have been most marked. In Burma and the Central Provinces the mean temperature has been above the normal throughout. In Bengal, the North-Western Provinces, the Punjab, Guzerat, Central India, Sind, and Rajputana the earlier days of the week, when the monsoon current extended well over Northern India, were cool, while the latter days of the week, when the monsoon, under the action of the Bay depression, was interrupted, were considerably warmer than the average. In the Punjab the mean temperature was 9.3° below the normal on the 9th and 3.6° above on the 15th, giving a range of 13° for the week. In Madras the variations of temperature were the reverse of those

in Upper India. The first days of the week, when the rainfall was light, were warmer, and the latter days, when the depression was forming and rain falling, were cooler than the average. The maxima followed the same course as the mean temperature, only, of course, the variations were larger. For instance, the maximum at Lahore on the 9th was 22° below the normal, and on the 15th was 4° above.

The following table shows the excess or defect of the mean average temperatures of the different Provinces for the present and for the preceding week :

PROVINCES.	Difference of Mean Temperature of Last Week from Normal.	Difference of Mean Temperature of Present Week from Normal.
Burmah	+ 1.2°	+ 2.9°
Bengal	— 0.2°	+ 1.5°
North-Western Provinces	— 0.8°	— 0.2°
Punjab	— 0.5°	— 3.6°
Bombay	+ 1.0°	+ 0.1°
Central Provinces and Berar	+ 1.4°	+ 2.1°
Guzerat and Central India	— 0.7°	+ 0.6°
Sind and Rajputana	— 1.1°	+ 1.7°
Madras	+ 0.1°	— 0.4°

This table shows that there has been some deficiency of heat in the North-Western Provinces, the Punjab, and Madras, and some excess elsewhere.

Rain.—The principal features of the general rainfall of India during the past week have been the steady rain in the west and centre of the country, the sudden cessation of the rain in Northern India on the 13th, and the increase in the rainfall on the East Coast on the 14th.

The following is a brief description of the daily distribution.

On the 9th rain was general, except in Sind, where there was none, and on the East Coast, where there were only scattered showers. Lucknow had a heavy downpour, but otherwise the amounts were not large. On the 10th there was some falling off in the amount of rain received over Northern India, but no other change. The chart of the 11th showed that a large part of North-Western India, including the south of the Punjab, Rajputana, Guzerat, and Sind, were without rain, but that it had fallen in all other districts. On the 12th and 13th the same distribution prevailed, but on the 14th a sudden change took place, and rain almost ceased during that and the following day over Northern India, though it continued generally and fairly heavily elsewhere.

The table at the close of this Summary shows that at twenty-six out of the fifty-one divisions the rainfall of the week has exceeded and at twenty-three been less than the normal. The excess has been most marked over the Peninsula, where nearly every division reports an excess—in many cases very large. Over the whole of Burma, Bengal, and Assam, except the divisions of Assam (Brahmaputra) and Bengal (North), the week's rainfall has been deficient; but in Upper India the rain has been much heavier, the only districts reporting a deficiency in the North-Western Provinces and the Punjab being North-Western Provinces East, Oudh North, and the Punjab hill districts: in all other parts of those Provinces the rainfall has exceeded the average. Along the whole length of the West Coast from Malabar northward to Guzerat and Kattiawar the rainfall has been very heavy, but inland over the Deccan, Khandeish, and the Central Provinces, the amounts are again short. Sind, Central India, and the east of Rajputana have also had deficient rains, but Rajputana West, as well as the whole of the eastern parts of the Peninsula, have had rains more or less above the normal.

The maximum amounts were unimportant in Burma and the greater part of Bengal and Assam. Perhaps the strongest evidence of the feebleness of the rains in this part of India is given by Cherrapunji, where the rainfall of the week was only $9\frac{1}{4}$ inches. North Bengal had several heavy amounts, and in Upper India the maximum amounts were generally above the normal. Falls of from 10 to 22 inches were measured along the West Coast, but in the interior of the Peninsula and over the Central parts of the country, except Berar, there were no important amounts. In Madras the extreme falls varied between 2 and 8 inches. The concluding column of the table shows that the seasonal rains are deficient over Burma, excessive over the whole of Northern India, except Bengal East, Orissa, Oudh North, and Punjab Central and Submontane. In Malabar and Mysore there is a certain amount of deficiency, but the other West Coast districts show an excess. In the central parts of the Peninsula and of India the rains are still deficient, while in Guzerat, Kattiawar, Rajputana, as well as over Madras, there is a fairly general excess.

Division.	Average Actual Rainfall of Division.	Average Normal Rainfall of Division.	Excess or Defect, in inches.	Burmah Data from 1874-1889.			
				Average Actual Rainfall of Season to date.	Average Normal Rainfall, May 1st to July 1st.	Excess or Defect, in inches.	Percentage of Normal.
	Inches.	Inches.	Inches.	Inches.	Inches.		Per cent.
BURMAH	Tenasserim	9'29	11'50	— 2'21	62'00	74'03	— 16
	Lower Burmah	2'51	4'02	— 2'41	27'07	37'24	— 25
	Central Burmah	1'25	3'86	— 2'61	20'08	29'85	— 33
	Upper Burmah	1'29	?	?	19'16	?	?
	Arakan	2'04	11'11	— 9'07	71'04	86'59	— 18
BENGAL AND ASSAM	Eastern Bengal	2'05	3'80	— 1'75	29'52	34'04	— 13
	Assam (Surma)	4'90	4'41	+ 0'49	54'24	43'58	+ 24
	Do. (Brahmaputra)	2'16	3'44	— 1'28	39'40	37'30	+ 6
	Deltaic Bengal	0'87	2'40	— 1'53	19'68	19'41	+ 1
	Central Bengal	2'13	2'52	— 0'39	21'93	19'16	+ 14
	North Bengal	6'81	4'07	+ 2'74	45'79	42'45	+ 8
	Orissa	1'01	3'48	— 2'47	14'84	17'11	— 13
	Chota Nagpur	0'94	2'80	— 1'86	17'94	15'36	+ 17
	Behar (South)	2'26	2'29	— 0'03	15'44	12'47	+ 24
	Do. (North)	2'10	2'15	— 0'05	20'34	16'29	+ 26
NORTH - WESTERN PROVINCES AND OUDH.	North - Western Provinces (East).	2'51	2'80	— 0'29	13'59	10'28	+ 32
	Oudh (South)	4'04	2'57	+ 1'47	13'21	10'30	+ 28
	Do. (North)	2'62	2'75	— 0'13	12'15	12'69	— 4
	North - Western Provinces (Central).	2'75	2'14	+ 0'61	9'40	7'77	+ 21
	North - Western Provinces (West).	2'53	1'67	+ 0'86	7'78	7'67	+ 1
	North - Western Provinces (Submontane).	3'93	2'92	+ 1'01	17'55	13'29	+ 32
PUNJAB	Punjab (South)	1'12	1'01	+ 0'11	5'01	4'51	+ 11
	Do. (Central)	2'62	1'55	+ 1'07	5'76	7'73	— 25
	Do. (Submontane)	1'06	1'88	+ 0'82	5'08	8'47	— 40
	Do. (Hill Districts)	6'32	6'37	— 0'05	28'46	24'69	+ 15
	Do. (North-West)	1'73	1'64	+ 0'09	6'84	5'72	+ 20
	Do. (West)	0'78	0'52	+ 0'26	2'80	2'27	+ 23
BOMBAY AND MALABAR COAST DISTRICTS (MADRAS).	Malabar	7'31	6'67	+ 0'64	55'68	58'02	— 5
	Madras (South Central)	2'89	0'57	+ 2'32	10'64	5'88	+ 81
	Coorg	6'51	1'16	+ 5'35	37'60	36'28	+ 4
	Mysore	0'87	0'80	+ 0'07	4'97	7'19	— 31
	Konkan	17'06	7'57	+ 9'49	63'83	46'41	+ 38
	Bombay Deccan	1'48	1'70	— 0'22	9'22	11'25	— 18
	Hyderabad (North) . . . . .	...	...	...	...	...	...
	Khandeish	0'75	1'50	— 0'75	5'13	9'22	— 44
CENTRAL PROVINCES AND BERAR.	Berar	3'45	2'56	+ 0'89	10'68	12'44	— 14
	Central Provinces (West)	2'41	2'83	— 0'42	11'53	13'42	— 14
	Ditto (Central)	3'08	3'82	— 0'74	16'63	17'46	— 5
	Ditto (East)	2'39	3'07	— 0'68	15'11	17'32	— 13
BOMBAY (NORTH)	Guzerat	5'40	3'76	+ 1'64	14'22	13'74	+ 3
	Kattiawar	8'65	3'13	+ 5'52	13'13	10'59	+ 24
	Sind	0'20	0'30	— 0'10	0'71	0'75	— 5
RAJPUTANA AND CENTRAL INDIA.	Central India (East)	2'13	2'59	— 0'46	11'54	11'31	+ 2
	Rajputana (East), Central India (West).	1'61	2'04	— 0'43	9'09	7'65	+ 19
	Rajputana (West)	1'11	0'87	+ 0'24	3'86	3'30	+ 17
MADRAS	East Coast (North)	1'75	1'21	+ 0'54	11'38	9'78	+ 16
	East Coast (North) (a)	3'54	3'95	— 0'41	?	?	?
	Hyderabad (South)	2'20	1'22	+ 0'98	6'14	7'37	— 17
	Madras (Central)	2'01	0'81	+ 2'10	7'29	5'54	+ 32
	East Coast (Central)	1'40	0'91	+ 0'51	6'50	5'99	+ 9
	Ditto (South)	1'29	0'49	+ 0'80	5'12	4'42	+ 16
	Madras (South)	0'43	0'16	+ 0'27	2'16	2'87	— 25

W. L. DALLAS,

Assistant Meteorological Reporter to the
Government of India.

E. C. BUCK,

Secretary to the Government of India.

SIMLA, 18th July, 1889.

GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

Weekly Report on the State of the Season and Prospects of the Crops.

Madras.—*For week ending 13th July.*—Rainfall slight in Tinnevely; fair in Ganjam, Nellore, Trichinopoly, Madura, Coimbatore, and Salem; good elsewhere. Crops generally good, but withering in parts of Tinnevely and Coimbatore, and suffering from want of rain or water in parts of North Arcot and Salem. Crops damaged by excessive moisture in parts of Vizagapatam. Water-supply insufficient in Chingleput, Coimbatore, and Salem. Stock suffering very badly, chiefly from rinderpest, in Malabar and badly in Kistna and Anantapur. Prices rising in eleven districts, falling in eight, and stationary in others. Cholera severe in the three northern districts. Labourers employed on last day of week,—on Rushikulya works, 4,105; Gopalpur Canal, 2,114; Ghat Roads, 1,927; drinking-water tanks and wells, 2,820; minor irrigation and other works, 3,615: decrease due to agricultural operations and cholera. Number on village relief on 6th July, 30,625; fed in kitchens, 5,549. Imports during week by sea and land, 613 tons. General prospects favourable, and considerably improved in Ganjam.

Bombay.—*For week ending 17th July.*—Rain general but deficient in parts of Deccan and Southern Mahratta Country, and sowing consequently retarded in parts of Nasik, Poona, Ahmednagar, Satara, Belgaum, and Dharwar. Standing crops good in parts of Shikarpur, Surat, Khandesh, Colaba, and Belgaum; *bajri* crop doing well in Ahmedabad, but insects damaging it in two talukas; young crops also damaged by caterpillars in two talukas of Kaira. Transplantation progressing in Shikarpur, Surat, Thana, and Colaba. Fodder scarce in parts of Nasik, Ahmednagar, Dharwar, and Kathiawar. Water scarce in parts of Ahmednagar and Dharwar. Prices rising in Khandesh and two talukas of Nasik, and falling in Panch Mahals.

Bengal.—*For week ending 16th July.*—The monsoon winds from the Bay have been feeble, and the rainfall of the week has been generally light and irregular. In Orissa general rain fell on the 15th and 16th, and showers were also numerous on these days in North and East Bengal. There was a break in the rains over the greater part of the Province, which was very welcome for agricultural purposes. More rain is however wanted in Burdwan, Hooghly, Balasore, Singbhoom, and Manbhoom. Cultivation is well forward. Rice and *bhaddoi* sowings are nearly complete, and transplanting of seedlings is in progress. Early rice, jute, and sugarcane are doing well. Early rice has begun to be harvested in places in North Bengal, and is expected to be below an average crop. Indigo manufacture is proceeding. The prices of rice are high and almost stationary. According to the latest report, the attendance on relief works in Muzaffarpur and Durbhanga has fallen off from 17,278 and 14,656 to 10,114 and 6,270 respectively, and in certain localities prices have risen owing to interruption of communications by heavy rain.

North-Western Provinces and Oudh.—*For week ending 17th July.*—Average rain has fallen during the week, and the *kharif* prospects are everywhere good. Markets continue well supplied, and prices generally remain steady. The condition of cattle is good.

Punjab.—*For week ending 17th July.*—Rainfall general throughout the Province. Prices rising in Jullundur and Rawalpindi, falling in Shahpur, unsettled in Peshawar, and stationary elsewhere. Ploughings for and sowings of *kharif* crops in progress. More rain is wanted in Hissar. Prospects of standing crops good. Stock cattle are reported healthy. Fodder is said to be sufficient throughout the Province.

Central Provinces.—*For week ending 17th July.*—Good rain has fallen in all the northern districts, except in the Sihora tahsil of Jubbulpore, where the fall is short. More rain is also required for rice in Nagpur and parts of Chhattisgarh, but cotton and other crops are thriving. Nearly 1,600 cattle are reported to have died in Nimar during June.

Burma.—*For week ending 13th July.*—In Lower Burma, except in Moulmein and Tavoy, the rainfall was light. Rain is wanted in Sandoway, Henzada, and Prome. In Upper Burma heavy rain fell in Mandalay, Ruby Mines, Upper Chindwin, and Meiktila; elsewhere but little rain fell. The price of paddy rose 2 per cent. in Rangoon, 5 per cent. in Pegu, 8 per cent. in Tharrawaddy, 7 per cent. in Prome, 5 per cent. in Shwegyin, 12 per cent. in Ruby Mines, 5 per cent. in Minbu, and 12 per cent. in Yamethin. Prices fell in Thayetmyo, Toungoo, and Magwé; elsewhere there was but little change. The food-supply is sufficient.

Assam.—*For week ending 17th July.*—Weather sultry. Rain wanted in Cachar. Some damage to crops by floods in Goalpara and Garo Hills. Transplanting of winter rice and reaping of summer rice continue. Prospects of tea good.

Mysore and Coorg.—*For week ending 17th July.*—Good rain in Civil and Military Station of Bangalore. Rainfall general. Crops good. Paddy and sugarcane harvested in parts. Prospects favourable. No material change in prices.

Very heavy rain in Coorg. Standing crops good.

Berar and Hyderabad.—*For week ending 17th July.*—Average rainfall good in Berar. Cotton sowing completed. Sowing of *jowari*, *tur*, and *til* nearly finished. Fodder sufficient, except in the Amraoti district. Agricultural stock good. No change in the price of food-grains. In Jalgaon, Akola district, cotton suffering from want of rain.

Slight rain at Hyderabad during the week. Prices stationary.

Central India.—*For week ending 17th July.*—No change of any importance. Fair rain throughout the week. Western Malwa reports crops not damaged and probable outturn good.

Rajputana.—*For week ending 17th July.*—Moderate rainfall throughout the Province,—heavier in Kerowlee and Dholepore. Agricultural operations satisfactory. Standing crops good. Agricultural stock poor in Meywar. Pasturage or fodder scarce in Meywar. Prices steady generally.

Nepal.—*For week ending 11th July.*—Good rainfall. Weather hot. Transplantation of rice is busily in progress. Prospects of Indian corn good.

E. C. BUCK,
Secretary to the Government of India.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY TRAFFIC.

No. XII. OF 1889-90.

APPROXIMATE STATEMENT OF GROSS RECEIPTS AND EXPENSES OF INDIAN RAILWAYS.

N.B.—As regards the figures in column Total Receipts from 1st April to date, audited figures have been used as far as possible.

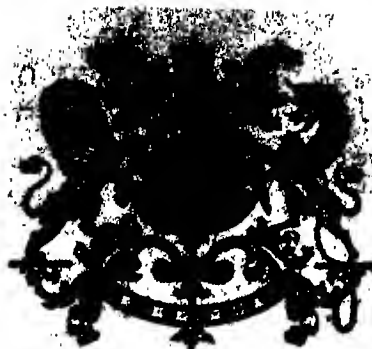
Latest Return received.	RAILWAYS.	Total length open.	RECEIPTS FOR WEEK ENDING 23RD JUNE, 1888.		Total length open.	RECEIPTS FOR WEEK ENDING 22ND JUNE, 1889.		TOTAL RECEIPTS FROM 1ST APRIL TO 23RD JUNE, 1888.		TOTAL RECEIPTS FROM 1ST APRIL TO 22ND JUNE, 1889.		Total increase in 1889-90.	In p.
			Total.	Per mile open.		Total.	Per mile open.	Total.	Per mile open per week.	Total.	Per mile open per week.		
	<i>State Lines worked by Companies.</i>		<i>Rs.</i>	<i>Rs.</i>		<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	
Last 8 days of June 1889	East Indian	1,514	8,53,295	564	1,514	8,88,331	587	1,13,28,698	624	1,14,60,999	631	1,32,231	
Ditto ditto	Patna-Gya.	57	7,599	133	57	7,843	137	1,04,447	152	1,06,778	156	2,331	
Ditto ditto	Dildarnagar-Ghaziipur	12	806	67	12	855	71	15,110	105	11,778	82	...	
29th June, 1889	Rajputana-Malwa.	1,664	3,94,041	237	1,664	3,97,000	239	47,98,617	240	55,27,832	280	7,29,215	
First 6 days of July 1889	Bengal-Nagpur (a)	186	25,230	135	305	(b) 31,619	104	4,74,808	213	(b) 6,00,943	172	1,26,045	
Ditto ditto	Southern Maratha (c)	850	72,203	85	857	82,498	96	9,77,617	96	10,92,399	106	1,14,782	
Last 8 days of June 1889	Do. Mysore Section	140	9,062	65	219	15,905	73	1,24,452	74	1,76,786	67	52,334	
Ditto ditto	Indian Midland	211	(d) 29,707	141	674	(e) 60,128	89	(d) 3,03,616	120	(e) 7,86,884	109	4,83,268	
29th June, 1889	Villupuram-Dharma- veram (Nellore Branch)	83	7,917	95	83	7,149	86	52,890	53	59,824	61	6,934	
Last 8 days of June 1889	Bareilly-Pilibhit.	30	1,430	40	36	1,695	47	20,017	40	26,614	62	6,597	
	TOTAL	4,753	14,01,290	295	5,421	14,93,023	275	1,82,00,362	319	1,98,50,767	313	16,50,405	
	<i>State Lines worked by Government.</i>												
Last 8 days of June 1889	North-Western (f)	2,411	4,86,264	202	2,386	5,25,647	220	57,20,316	198	64,59,722	228	7,39,406	
Ditto ditto	Oudh and Rohilkhand	693	1,43,950	208	692	1,48,955	215	19,44,252	235	20,99,340	253	1,55,088	
Ditto ditto	Bengal Central	123	22,418	179	125	13,320	107	1,47,351	98	1,68,476	112	21,125	
Ditto ditto	Wardha Coal	45	10,184	226	45	14,076	313	1,80,560	334	2,12,088	397	31,528	
Ditto ditto	Eastern Bengal Rail- ways	673	1,75,691	261	673	1,65,460	246	17,59,815	218	19,55,141	242	1,95,326	
Ditto ditto	Nalhati	27	3,654	134	27	1,691	62	24,161	74	21,498	66	...	
Ditto ditto	Tihoot	259	35,875	139	273	38,046	139	4,62,842	149	4,73,306	144	10,464	
Ditto ditto	Lucknow-Sitapur												
	Sihraman	105	4,741	45	105	7,688	73	69,056	55	89,209	71	20,153	
29th June, 1889	Jorhat	25	1,317	53	25	982	39	12,699	42	13,572	40	873	
22nd ditto	Cherra-Companyganj	7	144	20	7	176	25	1,038	12	1,005	11	...	
22nd ditto	Burma	392	60,127	153	553	79,585	144	7,74,741	174	11,63,135	175	3,88,394	
	TOTAL	4,702	9,44,365	198	4,911	9,95,626	203	1,10,96,831	195	1,26,56,492	218	15,59,661	
	<i>Lines worked by Guar- anteed Companies.</i>												
29th June, 1889	Madras	840	1,69,441	202	840	2,00,020	239	19,42,294	193	21,90,809	220	2,48,515	
29th ditto	South Indian	654	1,11,942	171	654	1,17,403	180	13,18,216	168	14,06,874	181	88,658	
Last 8 days of June 1889	Great Indian Peninsula	1,497	(g) 6,33,811	424	1,440	(h) 5,24,706	365	1,30,67,771	725	1,00,35,989	585	...	30,41
29th June, 1889	Bombay, Baroda and Central India (i)	461	2,34,520	509	461	2,38,000	516	36,55,782	661	38,06,180	696	1,50,398	
	TOTAL	3,452	11,40,714	323	3,395	10,81,034	318	1,99,84,063	482	1,74,39,762	433	...	25,41
GRAND TOTAL (GUARANTEED AND STATE)		12,967	34,95,369	269	13,727	35,69,083	260	4,92,81,236	317	4,99,47,021	308	6,65,765	
GROSS ESTIMATED EXPENSES		...	...	...	...	...	...	2,30,43,730	148	2,34,26,417	144	3,82,687	
NET RECEIPTS		...	...	...	...	...	...	2,62,37,526	169	2,65,20,604	164	2,83,078	
	<i>Assisted Companies.</i>												
Last 8 days of June 1889	Tarakeswar	22	8,157	371	22	4,893	222	77,740	201	77,566	291	...	
15th June, 1889	Dibru-Sadiya	...	...	...	...	(f)	...	(h) 92,236	108	(i) 1,00,495	174	14,259	
Last 8 days of June 1889	Bengal and North Western	376	54,107	144	376	52,500	140	7,09,400	157	7,05,965	158	...	
Ditto ditto	Rohilkhand-Kumaun	67	7,800	116	67	7,147	107	89,971	112	98,693	123	8,722	
	TOTAL	465	70,064	151	465	64,540	139	9,99,347	149	9,88,719	153	19,372	
	<i>Native States.</i>												
Last 8 days of June 1889	His Highness the Ni- zam's Guaranteed Company	277	29,247	106	354	41,808	118	3,65,567	110	4,87,677	116	1,22,110	
29th June, 1889	His Highness the Gaekwar's	59	2,495	42	59	1,720	29	42,333	60	35,984	51	...	
29th ditto	His Highness the Gaek- war's Verangam- Mehsana-Vadnagar	21	828	39	27	1,100	40	13,587	54	15,313	48	1,726	
Last 8 days of June 1889	Bhavnagar-Gondal- Junagarh-Porbandar	193	15,924	83	260	26,400	102	2,97,805	129	4,18,163	136	1,20,358	
Ditto ditto	Morvi	68	2,689	40	68	4,310	63	57,429	70	62,072	76	4,643	
29th June, 1889	Jodhpore	124	8,831	71	124	8,400	68	95,416	64	89,790	61	...	
	TOTAL	742	60,014	81	892	83,738	94	8,72,137	98	11,08,999	105	2,36,861	

- (a) Includes the Katul-Umaria Branch.
(b) Includes Sanctori Coal Section of the Bengal-Nagpur Railway.
(c) Includes the Bellary-Kistna State Railway.
(d) Includes the Sindia State Railway.
(e) Includes the Sindia and Bhopal-Jhansi State Railways.
(f) Includes the Amritsar-Pathankot and Rajpura-Bhatinda State Railways.

- (g) Includes the Dhond-Manmad, Khamgaon, Amraoti, and Bhopal State Railways.
(h) Includes the Dhond-Manmad, Khamgaon, and Amraoti State Railways.
(i) Includes the Patli Branch.
(j) Return not received.
(k) Total receipts from 1st April to 16th June, 1888.
(l) Total receipts from 1st April to 15th June, 1889.

M. C. BRACKENBURY, Major, R.E.
Deputy Secretary

Printed and published for the GOVERNMENT OF INDIA at the GOVERNMENT CENTRAL PRESS, Simla.



The Gazette of India.

PUBLISHED BY AUTHORITY.

CALCUTTA, SATURDAY, JULY 20, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Comptroller General, &c.

GAZETTE OF INDIA.

NOTICE.

The 23rd March, 1889.

From the 13th April next, till further notice, Parts I, IV, V, and VI of the *Gazette of India*, and the Weather and Crop Report, will be published at Simla. After the 6th April, all Notifications and other matter intended for publication in those Parts, should be addressed to the Officiating Publisher at Simla.

Revised rates from 1st January, 1887.

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Rules and Notifications issued under Legislative Acts, and having the force of law, may be obtained separately at per page 2 pice.

By order of Government, all subscriptions must be paid *in advance*.

Applications for the supply of the *Gazette* on the *public service* should be addressed to the Home Department.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

Attention is invited to the Circular Memo. of the Government of India, Home Department, of February, 1870, directing that all Notifications or other matter intended for insertion in the *Gazette of India* should be delivered at the Publisher's Office not later than 2 P.M. on Friday afternoon, and that matter sent after that hour must be certified to be extremely urgent in order to ensure its appearance in the next day's *Gazette*.

Matter intended for publication in the Supplement should reach the Press not later than Thursday.

E. J. DEAN,

Publisher, Gazette of India.

HIGH COURT—ORIGINAL SIDE.

NOTIFICATION.

Calcutta, the 15th July, 1889.

The following rules and orders passed by the High Court of Judicature at Fort William in Bengal, are published for general information.

By Order,

R. BELCHAMBERS,

Registrar.

It is ordered that the following rules be read and passed as the rules and orders of the High

Court of Judicature at Fort William in Bengal, to take effect from the 15th day of July, 1889:—

1. Whenever any estate or share of an estate situate outside Calcutta has been sold by the Sheriff of Calcutta, or the Registrar of the High Court, Original Civil Jurisdiction, in execution of a decree, or in pursuance of an order of the Court, such sale shall be notified by the Registrar to the Collector of the District in which such estate or share of an estate is situated, after the sale shall have been confirmed by the Court or by operation of law.

2. Whenever any estate or share of an estate situate outside Calcutta has been sold by the Official Receiver, such sale shall be notified by such Official Receiver to the Collector of the District in which such estate or share of an estate is situated.

3. Whenever probate or letters of administration is granted by the Court, and it appears, either from the application or is otherwise brought to the notice of the Court or the Registrar, that any revenue-paying estate or share of such estate situate outside Calcutta is included in the estate of the deceased in respect of which the probate or letters of administration is granted, the Registrar shall notify the grant to the Collector of the District in which such estate or part of an estate is situated.

W. COMER PETHERAM.

H. T. PRINSEP.

L. R. TOTTENHAM.

JOHN F. NORRIS.

J. PIGOT.

E. J. TREVELYAN.

CHUNDER M. GHOSE.

H. BEVERLEY.

GOOROODOSS BONNERJEE.

R. F. RAMPINI.

C. H. HILL.

H. W. GORDON.

HIGH COURT ORIGINAL JURISDICTION,

The 13th July, 1889.

SURGEON-GENERAL WITH THE GOVERNMENT OF INDIA.

NOTIFICATIONS.

Simla, the 5th July, 1889.

No. 16.—The services of 1st grade Apothecary William Cooper are placed at the disposal of the Punjab Government.

No. 17.—Third grade Assistant Surgeon Charles Martin, of the Punjab Provincial Establishment, is permitted to resign the service.

B. SIMPSON, M.D.,

Surgeon-General with the Govt. of India.

SURVEY OF INDIA DEPARTMENT— REVENUE BRANCH.

NOTIFICATION.

Calcutta, the 12th July, 1889.

No. 7.—Mr. C. G. Lee, Assistant Surveyor, 3rd grade, is granted privilege leave for one month, with effect from 15th instant, under Article 277 of the Civil Service Regulations.

CHAS. STRAHAN, *Lieut.-Col., R.E.,*

*Offg. Depty. Surveyor-General,
In charge Revenue Branch, Survey of India.*

GOVERNMENT SAVINGS BANK.

No. 1.

ANNUAL STATEMENT.

*Abstract of Operations of the Government
Savings Bank from 1st April, 1888, to
31st March, 1889.*

	R	a.	p.	R	a.	p.
Balance due to Depositors in 1887-88				27,58,526	13	5
Deposits in 1888-89	11,82,114	9	8			
Interest allowed to Depositors in 1888-89	1,01,348	9	10	12,83,463	3	6
TOTAL				40,41,990	0	11
DEDUCT—						
Withdrawals in 1888-89	13,21,903	10	10			
Investment in Government Loans, 1888-89	21,708	7	1	13,43,612	1	11
Balance				26,98,377	15	0
LIABILITIES.						
Balance due to Depositors in 1888-89				26,98,377	15	0
ASSETS.						
Due by General Books	25,97,029	5	2			
Interest allowed to Depositors in 1888-89	1,01,348	9	10	26,98,377	15	0

R. L. BISS,

Deputy Secretary.

BANK OF BENGAL,
GOVT. SAVINGS BANK,
Calcutta, the 15th July, 1889.

TELEGRAPH DEPARTMENT.

NOTIFICATIONS.

Simla, the 13th July, 1889.

No. 5-I.E.—Mr. W. A. Newnham, Assistant Superintendent, Persian Gulf Section, Indo-European Telegraph Department, is allowed furlough for twelve months, under Section 369 of the Civil Service Regulations, with effect from the forenoon of the 19th May, 1889.

This cancels Gazette Notification, No. 4-I.E., dated 5th June, 1889.

No. 24.—Mr. J. M. Coode, Assistant Superintendent, officiating class V, 2nd grade, is allowed furlough on medical certificate for four days, under Section 343 of the Civil Service Regulations, with effect from the forenoon of the 3rd May, 1889.

H. MALLOCK,

Offg. Director General of Telegraphs.

Statement of Silver Balance in the Calcutta Mint for the week ending 17th July, 1889.

	R	R
Value of silver held in the Mint on account of the Currency Department on the evening of the 10th July, 1889	2,37,288	
Value of Government silver in the Mint on the same date	5,45,971	
Add—		7,83,259
Silver received by the Mint during the week on account of the Currency Department	13	
Ditto ditto Government	...	13
Deduct—		7,83,272
New coin paid to Reserve Treasury during the week	1,00,000	
Petty items issued for miscellaneous purposes	896	
		1,00,896
Balance on the evening of the 17th July, 1889		6,82,376
The Balance comprises—		
Silver held on account of the Currency Department	2,37,301	
Ditto ditto Government	4,45,075	
		6,82,376
There is in addition awaiting assay—		
Bullion belonging to Private Individuals	...	
Ditto ditto Government	...	
		...

A. W. BAIRD, Lieut.-Colonel, R.E.,

Offg. Master of the Mint.

CALCUTTA MINT,
The 18th July, 1889.

AGENT TO THE GOVERNOR-GENERAL, RAJPUTANA.

NOTIFICATIONS.

Abu, the 9th July, 1889.

No. 2569-G.—With reference to Foreign Department Notification, No. 1130-G., dated 26th June, 1889, Lieutenant-Colonel N. R. Stewart assumed charge of his duties as Officiating Commandant of the Merwara Battalion from Captain G. A. Collins, on the 3rd July, 1889.

The 10th July, 1889.

No. 2606-G.—With reference to Foreign Department Notification, No. 1152-G., dated 27th June, 1889, Surgeon G. J. H. Bell, M.B., Indian Medical Service, assumed medical charge of the Deoli Irregular Force on the afternoon of the 3rd July, 1889.

The 15th July, 1889.

No. 2692-G.—It is hereby notified that Lieutenant-Colonel A. R. T. McRae, Commandant, Meywar Bhil Corps, took over charge of the Office of 2nd Assistant to the Resident in Meywar from Lieutenant-Colonel N. R. Stewart, on the forenoon of the 2nd July, 1889, upon the latter's proceeding to join his appointment in the Merwara Battalion, Ajmere.

By Order,

E. A. FRASER, Major,
First Asst. Agent to the Govr.-Genl.,
Rajputana.

CHIEF COMMISSIONER OF AJMERE-MERWARA.

NOTIFICATIONS.

Abu, the 5th July, 1889.

No. 731.—Under Section 12, Act X of 1882, Captain A. F. DeLaessoe, C.M.G., C.I.E., is invested, from the date of assuming charge of the Office of Assistant Commissioner, Merwara, with the powers of a Magistrate of the 1st class, to be exercised within the Merwara District.

No. 734.—Under Section 30 of Act X of 1882, the Chief Commissioner of Ajmere-Merwara is pleased to invest Captain A. F. DeLaessoe, C.M.G., C.I.E., Assistant Commissioner and District Magistrate, Merwara, with power to try as a Magistrate all offences not punishable with death.

By Order,

E. A. FRASER, Major,
First Asst. to the Govr.-Genl.'s Agent,
Rajputana, & Chief Commr., Ajmere-Merwara.

**RAJPUTANA AGENCY,
PUBLIC WORKS DEPARTMENT.**

NOTIFICATION.

Mount Abu, the 8th July, 1889.

No. 2486-S.—Under the provisions of Section 25 of the Ajmere Municipalities Regulation, 1886, the Chief Commissioner of Ajmere and Merwara is pleased to notify that the following gentlemen have been duly returned as members for the Municipal Committees of Ajmere and Beawar, at the elections respectively held at those places on the 24th and 26th December, 1888, to fill up the vacancies caused by the resignation of Babu Panchanan Chatterji, and the retirement of the members noted in the margin,

on 2nd January, 1889, and that held on the 27th May, 1889, to fill up the vacancies caused by the refusal of Messrs. Cander and Nazar Ali, to serve on the new Committee:—

Ajmere.
For the City.—1. Rai Bahadur Seth Mulchand.
2. M. Mahomed Allanur Khan.
3. Mir Nizam Ali.
For Kaiser Ganj.—1. Babu Puran Chand.
For the Railway.—1. Mr. J. Bell.
For the Suburbs.—1. Mr. D. Joscelyne.

Beawar.
1. Munshi Pannalal.
2. Seth Champalal.
3. Seth Fatehchand Kankaria.
4. Ramzan Baksh Chowdhry.

Ajmere City Ward.

1. Rai Bahadur Seth Mulchand Soni.
2. Babu Ramjivan.
3. Munshi Mahomed Allanur Khan.
4. Mir Nizam Ali, Vakil.

Statement of Government Promissory Notes enforced for payment of Interest in London, under deduction of amount re-transferred to India, and of the Bank of Bengal on the 15th July, 1889.

PARTICULARS.	3d PER CENT. TRANSFERRED LOAN OF 1853-54.	4 PER CENT. LOANS						4½ PER CENT. LOANS			TRANSMISSION LOAN OF 1879, 4½ PER CENT. PORTUGAL.	TRANSMISSION LOAN OF 1879, 5 PER CENT. PORTUGAL.	3d PER CENT. TRANSFERRED LOAN OF 1853-54.	GRAND TOTAL.	
		Of 1853-54.	Of 1855-56.	Of 1863-64.	Of 1864-65.	Transfer of 1865.	Reduced 4 per cent. Loan of 1879.	Total.	Of 1879.	Of 1878.					TRANSMISSION LOAN OF 1879, 4½ PER CENT. PORTUGAL.	Total.
Issue of 30th June, 1889	54,700	11,35,787	26,64,000	2,46,14,300	85,97,400	4,04,41,200	2,11,11,200	9,85,63,887	85,800	73,43,500	11,05,18,200	11,79,47,500	1,33,800	39,200	21,67,34,087
Amount enforced at Madras between 1st and 15th July, 1889	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Amount enforced at Bombay between 1st and 15th July, 1889	...	...	...	22,000	...	4,500	3,000	29,500	...	...	...	...	...	...	29,500
Amount enforced at Calcutta between 1st and 15th July, 1889	...	...	...	13,900	4,000	7,200	...	25,100	...	44,500	31,300	75,800	...	...	1,00,900
Amount written off in the London Registers	54,700	11,35,787	26,64,000	2,46,50,200	86,01,400	4,04,52,900	2,11,14,200	9,86,18,487	85,800	73,88,000	11,05,49,500	11,80,23,300	1,33,800	39,200	21,68,68,487
	...	...	...	37,100	32,000	1,33,400	500	2,00,000	23,600	47,600	92,900	1,64,100	...	...	3,64,100
Balance on 15th July, 1889	54,700	11,35,787	26,64,000	2,46,13,100	85,69,400	4,03,22,500	2,11,13,700	9,84,18,487	62,200	73,40,400	11,04,56,600	11,78,59,200	1,33,800	39,200	21,64,98,387

NOTE.—From 30th June, 1887, to 15th May, 1889, enforced from India 6,959 lakhs, re-transferred from London 5,448 lakhs.

30th June, 1887, to 31st May, 1889	5	6
1st June, 1889, to 15th June	5	7
16th " " to 30th "	3	3
1st July " to 15th July "	3	3
	6,973 lakhs.	5,467 "
	5,467 "	6,973 "
Balance against India	800 lakhs.	800 "

PUBLIC DEBT OFFICE,
BANK OF BENGAL,
Calcutta, 17th July, 1889.

W. D. CRUICKSHANK,
Secretary and Treasurer.

MILITARY WORKS DEPARTMENT.

NOTIFICATIONS.

Simla, the 9th July, 1889.

No. 14-A.—Lieutenant S. H. Powell, R.E., Assistant Engineer, 2nd grade, passed the colloquial examination in Hindustani, referred to in Public Works Department Code, Chapter II, paragraph 13, on the 26th June, 1889.

No. 15-A.—Lieutenant S. H. Powell, R.E., Assistant Engineer, 2nd grade, passed the examination for promotion to 1st grade Assistant Engineer, laid down in Public Works Department Code, Chapter II, paragraphs 9 to 11, on the 26th June, 1889.

No. 16-A.—Lieutenant W. Ewbank, R.E., Assistant Engineer, 2nd grade, sub. *pro tem*, passed the colloquial examination in Hindustani, referred to in Public Works Department Code, Chapter II, paragraph 13, on the 26th June, 1889.

No. 17-A.—Lieutenant W. Ewbank, R.E., Assistant Engineer, 2nd grade, sub. *pro tem*, passed the examination for promotion to 1st grade Assistant Engineer, laid down in Public Works Department Code, Chapter II, paragraphs 9 to 11, on the 26th June, 1889.

The 10th July, 1889.

No. 18-A.—The following temporary promotions and reversions are made in the Engineer Establishment of the Military Works Department, with effect from the dates specified:—

Name.	From	To	Date.
Norton, Captain C. E., R.E.	Assistant Engineer, I grade.	Executive Engineer, IV grade.	16th February, 1889.
Biggs, Captain H. V., R.E.	Ditto	Ditto	25th February, 1889.
Wade, Lieutenant J. M., R.E.	Ditto	Ditto	10th March, 1889.
Stone, Lieutenant G. A. S., R.E.	Ditto	Ditto	28th March, 1889.
Stone, Lieutenant G. A. S., R.E.	Executive Engineer, IV grade, temporary.	Assistant Engineer, I grade.	29th March, 1889.
Macdonald, Lieutenant J. R. L., R.E.	Assistant Engineer, I grade.	Executive Engineer, IV grade.	1st April, 1889.
Wade, Lieutenant J. M., R.E.	Executive Engineer, IV grade, temporary.	Assistant Engineer, I grade.	3rd April, 1889.
Townshend, Captain R.E.	Assistant Engineer, I grade.	Executive Engineer, IV grade.	3rd April, 1889.
Cordue, Lieutenant W. G. R., R.E.	Ditto	Ditto	17th April, 1889.
Wade, Lieutenant J. M., R.E.	Ditto	Ditto	17th April, 1889.
Wade, Lieutenant J. M., R.E.	Executive Engineer, IV grade, temporary.	Assistant Engineer, I grade.	22nd April, 1889.

G. E. SANFORD, Colonel, R.E.,

Inspector General, Military Works.

GOVERNMENT CINCHONA
FEBRIFUGE.

This preparation is an efficient substitute for quinine, and can be purchased by Government officers for public and charitable purposes, and by any one taking *twenty pounds* at a time, from the Superintendent, Botanical Garden, Calcutta, *for cash only*, at the following rates—per four-ounce tin, *R3-14*; per eight-ounce tin, *R7-4*; per pound tin, *R14*. The general public can be supplied by the Superintendent, Botanical Garden, *for cash only*, at the under-noted rates—per four-ounce tin, *R4-14*; per eight-ounce tin, *R9-4*; per pound tin, *R17-8*. This medicine is also sold by the principal European and Native druggists in Calcutta. Postage, four annas per four-ounce tin, eight annas per eight-ounce tin, and twelve annas per pound tin, in addition to the foregoing rates.

گورنمنٹ سینکونا فبري فيوج

یہ دوا کوئناٹین کا عمدہ بدلہ ہے اور کلکتہ کے ہوائیک گارڈن یعنی کمپنی باغ کے سپرنٹنڈنٹ صاحب سے ہر ایک ملازم سرکاری واسطے سرکاری کام اور عیادت کے اور جو کوئی ایک شخص بیس پونڈ خرید کرنے والا ہو وہ نقد خرید کرنے کی شرط پر نیچے کے لکھے ہوئے پھاڑ سے خرید کر سکتا ہے یعنی — چار اونس کے تین کے تیس روپی چودہ آنے ; آٹھ اونس کے تیس کے سات روپی چار آنے ; ایک پونڈ کے تیس کے چودہ روپی اور صرام الکاس ہوائیک گارڈن یعنی کمپنی باغ کے سپرنٹنڈنٹ صاحب سے بیس پونڈ نقد نیچے کے لکھے ہوئے پھاڑ سے خرید کر سکتے ہیں یعنی — چار اونس کے تیس کے چار روپی چودہ آنے ; آٹھ اونس کے تیس کے نو روپی چار آنے ; ایک پونڈ کے تیس کے ستوا روپی آٹھ آنے

یہ دوا کلکتہ کے بڑے بڑے دہاتی اور دیسی ہوا خانوں میں بکتی ہے ماحولہ قیمت مذکورہ بالا کے محصول ڈاک چار اونس کے چار آنے ; اور آٹھ اونس کے تیس کے آٹھ آنے ; ایک پونڈ کے تیس کے بارہ آنے

POST OFFICE.

NOTIFICATIONS.

Unclaimed Letters held in the Calcutta General Post Office on the 16th July, 1889.

Freeborne, J. H. The Secretary, Orient Vangunder, T.
London, Monsieur R. Paper Mills Com-
pany.

Letters marked "Care of Post Office."

Abbett, C. A.	Hallen, C.	Paulin, Wm.
Abbott, Major A. K.	Hamilton, Allan.	Percy, W. H.
Adela, E. J.	Hamilton, C. J.	Pisani, R.
Allen, John.	Herklotz, A.	Pogose, Mrs. A. N.
Anderson, J. K.	Herschkovitch,	Poliscene, N.
Ballantine, G.	Issak.	Ramsden, Miss Kate.
Barrett, E. C.	Hindmarsh, William.	Remington, Capt.
Braddon, Mr. C. J. S.	Honfray, R. S.	F. A.
Bradley, W.	Hoskins, Mrs. C.	Rivas, D. F.
Burke, Mrs. K. A.	Hughes, R. J.	Robert, P.
Carlton, Miss.	Hunter, A. F.	Kourke, J.
Cohn, Maritz.	Jackson, J.	Ruchwaldy, Mrs. H.
Cliffe, A.	Jackson, Mrs.	Schoeneman, G. W.
Commandant of	Kenny, C.	Silbermann, Simon.
Nowgong Police.	Marners, R.	Smith, J. M.
Cox, E. T.	Manassah, E. J.	Solomon, Louis.
Davin, C.	Maxwell, Mrs. M.	Staah, Henry.
De Rylandt, Count J.	McKenzie, James F.	Stand, Mary.
Deuch, Mrs. C.	McMaster, J. E.	Stern, Madam Lee.
Dowie, J.	Meres, W. F.	Sultana, Mrs. C. J.
Ellis, Thos.	Millie, W.	Sykes, A. F.
Faintyley, E.	Monk, Mrs.	Taksier, David.
Fleury, Miss Agnes.	Muller, H. A. H.	Talbot, H. B.
Freedman, J. J.	Mullins, L.	Thomasson, Mrs.
Gailkeers, E.	Nethering, E. O.	Tighe, J. L.
Garland, Capt. V. M.	Nicholson, Miss A.	Vaz, George.
George, Mrs. C.	Oldham and Oldham.	Vincent, J.
Gibson, Peter.	O'Brien, W. W.	Walter, F.
Gondie, Alex. A.	O'Shea, G.	Webber, M. F. V.
Green, B.	Olsen, E.	

Registered Letters.

Brukowsky, J.	Monteney, R.	Rubinstein, Anna.
Eglinton, C. A.	O'Brien, W. W.	Silbermann, S.
Haring, O.	Revilliod, Gustave.	Staah, Henry.
Hughes, Geo.		

Unclaimed Letters held in the Barrackpore Post Office on the 15th July, 1889.

Corbett, R. dela,	Harris, Mr.	Reynolds, Mr.
Surgeon-Major.	Rendell, J. W.	Rydquist, C. F.

E. HUTTON,

Presidency Postmaster, Calcutta.

The 20th July, 1889.

SEA AND FOREIGN MAILS.

Mails for	Date of closing at Calcutta.	Route by which despatched.
	1889.	
Egypt, Europe, America, Cape Colonies, through United Kingdom.	20th July.	Per P. & O. Str. from Bombay.
Ditto ditto	27th "	Ditto.
Ditto (Book Post and Pattern Packets)	26th "	Ditto.
Mauritius, Mahé (Seychelles), Mayotte, Nossi Be and Réunion	27th "	Ditto.
Ceylon, Straits Settlements, Netherlands India, Labuan, Bangkok (Siam), Philippine Islands, Calais and Japan	29th "	Ditto.
Australia, New Zealand and Tasmania	29th "	Ditto.
Straits and Hong-Kong	22nd "	Per Steamer Japan.
Rangoon and Moulmein	23rd "	Per Steamer Rajputana.
Ditto ditto	26th "	Per Steamer Palitana.
Akyab, Kyaukpysu, and Rangoon	24th "	Per Steamer Pachumb.
Port Blair	1st August	Per Steamer Maharani.

N.B.—On ordinary days the letter-box will close at 7 P.M. precisely; after which hour inland letters and papers, fully prepaid and bearing an extra postage stamp of half anna, and foreign letters and papers fully prepaid and bearing an extra stamp of four annas, will be received up to 7-30 P.M.

On the day of despatch of the Overland Mail for Europe, the letter-box for foreign letters will close at 8-30 P.M., and late letters and papers will be received up to 9 P.M.

E. HUTTON,

Presidency Postmaster, Calcutta.

METEOROLOGICAL PUBLICATIONS FOR SALE.

At the Meteorological Office, No. 5, Russell Street; also at Messrs. Thacker, Spink & Co., at the prices specified below:—

Report on the Meteorology of India in 1875, 4to, 89 pages text, 297 pages tables, 3 charts. Rs.

Report on the Meteorology of India in 1876, 4to, 97 pages text, 340 pages tables, 3 charts. Rs.

Report on the Meteorology of India in 1877, 4to, 193 pages text, 375 pages tables, 3 charts. Rs.

Report on the Meteorology of India in 1882, 4to, 132 pages text, 298 pages tables, 8 charts. Rs.

Report on the Meteorology of India in 1883, 4to, 150 pages text, 305 pages tables, 9 charts. Rs.

Report on the Meteorology of India in 1884, 4to, 153 pages text, 305 pages tables, 4 charts. Rs.

Report on the Meteorology of India in 1885, 4to, 202 pages text, 315 pages tables, 4 charts. Rs.

Report on the Meteorology of India in 1886, 4to, 228 pages text, 322 pages tables, 5 charts. Rs.

Indian Meteorological Memoirs, Vol. I, Part I, 4to, 118 pages, 9 plates. Rs. 8.

Indian Meteorological Memoirs, Vol. I, Part II, 4to, 63 pages, 4 plates. Rs. 8.

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Indian Meteorological Memoirs, Vol. II, Part II, 4to, 69 pages, 9 plates. Rs. 8.

Indian Meteorological Memoirs, Vol. II, Part III, 4to, 68 pages, 3 plates. Rs. 8.

Indian Meteorological Memoirs, Vol. II, Part IV, 4to, 232 pages, 7 plates. Rs. 3.

Indian Meteorological Memoirs, Vol. II, Part V, 4to, 26 pages, 1 plate. Rs. 1.

Indian Meteorological Memoirs, Vol. II, complete, in cloth. Rs. 10.

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Indian Meteorological Memoirs, Vol. III, Part III, 4to, 16 pages text, 353 pages tables. Rs. 4.

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Indian Meteorological Memoirs, Vol. IV, Part II, 4to, 80 pages, 4 plates. Rs. 2.

Indian Meteorological Memoirs, Vol. IV, Part III, 4to, 24 pages, 2 plates. Rs. 8.

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Rainfall Chart of India showing the average annual distribution of rainfall (in colours). Rs.

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Register of Original Observations of six stations in India for each of the years 1879 to 1887, corrected and reduced. Each year. Rs. 8.

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The Indian Meteorologist's Vade Mecum, Part II [The Meteorology of India]. Rs. 5.

Tables for the Reduction of Meteorological Observations in India. Rs.

Barometer, Wind and Current Charts of the Bay of Bengal and adjacent sea north of the equator. Rs. 5.

Charts of the Bay of Bengal and adjacent sea north of the equator, showing the specific gravity, temperature and currents of the sea surface. Rs. 8.

Barometer, Wind and Current Charts of the Arabian Sea and the adjacent portion of the North Indian Ocean. Rs.

JOHN ELIOT,

Offg. Meteorological Reporter to the
Government of India.

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PUBLISHED UNDER AUTHORITY.

The Indian Law Reports, published under the authority of the Governor-General in Council, appear in monthly parts, published as soon as possible after the first of each month, at Calcutta, Madras, Bombay, and Allahabad, and comprise four series,—one for the Calcutta High Court, a second for the Madras High Court, a third for the Bombay High Court, and a fourth for the Allahabad High Court. The cases heard by the Privy Council on appeal from each High Court are reported in the series for that High Court. Cases heard by the Privy Council on appeal from Provinces in India not subject to any High Court are reported in the Calcutta Series. The Calcutta Series is distributed by the Bengal Secretariat, and the Madras, Bombay and Allahabad Series are distributed direct from Madras, Bombay, and Allahabad, respectively. In supersession of the previous advertisements, on and from the 1st January, 1889, the terms of subscription and sale will be as follows for current issues as well as for back numbers of the Reports from 1876:—

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„ a part of the Calcutta Series purchased separately, inclusive of postage in India	...	2 0 0
„ a part of each of the Madras, Bombay and Allahabad Series purchased separately, inclusive of postage in India	...	1 0 0

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„ the Calcutta Series. For the year.	7 2 6	8 6 3
„ each of the Madras, Bombay and Allahabad Series. For the year.	4 4 6	4 11 3

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- The Government Central Book Depot, Bombay.
- „ Curator of Government Books, North-Western Provinces and Oudh.
- „ Superintendent of Government Printing, Bengal.

Orders and subscriptions for 1889 should be at once registered and remitted.

NOTICE.

Indian Law Reports.

Advertisements will be received for publication on the wrappers of the Indian Law Reports, Calcutta Series, by the Calcutta Central Press Company, "Limited," 5—1, Council House Street, at the following rates, payable in advance:—

	One page.	Half page.	Quarter page.
For one issue	R 20	R 14	R 9
„ three issues	„ 55	„ 36	„ 24
„ six „	„ 100	„ 68	„ 45
„ nine „	„ 145	„ 96	„ 64
„ twelve „	„ 180	„ 120	„ 80

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A Manual of Reference to the Examinations in Oriental languages, with the latest orders of Government, and specimen papers of the various standards. By Lieutenant-Colonel H. S. JANKET. New Edition. Rs 4. Apply to the Librarian, 17, Elysium Row.

For sale in Rajputana to Officers stationed there.

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To all Officers employed in Government Departments who are in receipt of salaries under Rs 500 per mensem, on a certificate being furnished declaring that the book is to be purchased only for the personal use of the officer. Rs 3 (8s.)

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Books required for the public service should be obtained through Local Governments.

The amounts within parentheses are for packing and postage.

FINANCIAL DEPARTMENT.

Finance and Revenue Accounts of the Government of India, from 1867-68 to 1870-71. Fcap., boards. Rs 1 (2s.) for each year.

Finance and Revenue Accounts and Miscellaneous Statistics relating to the Finances of British India, Fcap., boards. Part I, Rs 8 (6s.); Part II, Rs 2 (6s.); Part III, Rs 2 (8s.)

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☛ The amounts within parentheses are for packing and postage.

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Part V.—South Maithili Dialect.

Part VI.—South Maithili Magadhi Dialect.

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A Revenue History of the Sunderbans. By F. E. PARGITER, C.S. R2-8 (3a.)



The Gazette of India.

PUBLISHED BY AUTHORITY.

CALCUTTA, SATURDAY, JULY 20, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART III.

Advertisements and Notices by Private Individuals and Corporations.

BRUCE INSTITUTION.

ANNUAL ELECTION, 1889.

The Governors of the Bruce Institution will proceed, at 5 P.M., on Tuesday, the 20th August, 1889, to the election of fourteen Eurasian girls on the Bruce Foundation. Candidates must, on the day of election, be not over ten years of age, and preference will be given to orphans and to those deserted by their parents.

Forms of application may be obtained from the Assistant in charge of the office of the Bruce Institution, Room No. 29, top floor, Writers' Buildings, and applications on these forms only

will be received by that officer up to Saturday, the 10th August, 1889.

By order of the Governors,
CHARLES H. TAWNEY,
Offg. Hony. Secretary.

OFFICE OF THE BRUCE INSTN.,
The 10th July, 1889.

NOTICE.

The interest and responsibility of Mr. Peter Johnstone Schollay in our firm ceased on this date by mutual consent.

VOIGT & Co.

CALCUTTA,
The 15th July, 1889.

PROMISSORY NOTES.

Lost.

The Government Promissory Notes of the 4 per cent. loan of 1842-43 specified below, aggregating in amount Rs11,500, standing in the name of P. C. Rosario, by whom they were never endorsed to any other person. having been lost, notice is hereby given that payment of the notes and the interest thereupon have been stopped at the Public Debt Office, Bank of Bengal, Calcutta, and that application is about to be made for the issue of duplicates in favour of the proprietor. The public are cautioned against purchasing or otherwise dealing with the undermentioned securities :—

Number.	Madras Number.	Bombay Number.	Amount in Rupees.	When and how purchased.	REMARKS.
108603—106902	24142	20169	5,000	{ Purchased on 8th September, 1882, through Chartered Mercantile Bank, Bombay, by Revd. Father A. Mutti's cheque on Hong-Kong Bank.	{ <i>N.B.</i> —The last mentioned note, i.e., the one for Rs1,500, was consolidated through the Treasury Officer, South Canara.
109460—064883	24143	20189	5,000		
128515—024107	83—28	...	1,500		

J. L. FERNANDEZ.

MANGALORE,
The 11th June, 1889.

Stolen.

The Government Promissory Note No. C.1491—142882—81, dated 1st February, 1842, for Rs. 1,000, originally standing in the name of Ishan Chunder Doss, the proprietor, by whom it was never endorsed to any one, having been stolen, notice is hereby given that payment of the above note and the interest thereupon have been stopped at the Public Debt Office, Bank of Bengal, Calcutta, and that application is about to

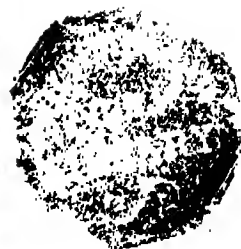
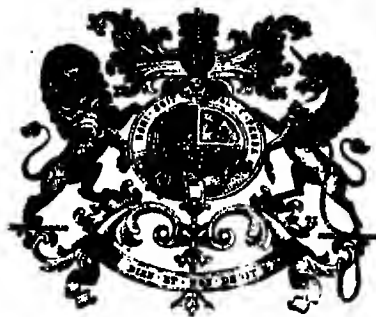
be made for the issue of a duplicate in favour of the proprietor. The public are cautioned against purchasing or otherwise dealing with the abovementioned security.

SHAM SOONDER DASS,

*Head Asst., Office of the Supdg. Engr.,
Western Circle.*

WRITERS' BUILDING,
CALCUTTA.

The 15th July, 1889.



The Gazette of India.

PUBLISHED BY AUTHORITY.

No. 30.]

SIMLA, SATURDAY, JULY 27, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

CONTENTS.

PART I.—Government of India Notifications, Appointments, Promotions, Leave of Absence, General Orders, Rules and Regulations.

PART II.—Notifications by High Court, Comptroller General, Administrator General, Paper Currency Department, Presidency Pay Master, Money Order Department, Mint Master, Secretary and Treasurer, Bank of Bengal, Superintendent of Government Printing, and other Government Officers; Postal, Telegraph, and Commissariat Notices.

PART III.—Advertisements and Notices by private individuals and Corporations.

PART IV.—Acts of the Governor-General's Council assented to by the Governor-General:—

Nothing for Publication.

PART V.—Bills introduced into the Council of the Governor-General of India for making Laws and Regulations, or Reports of Select Committees presented to the Council:—

Nothing for Publication.

PART VI.—Abstract of the Proceedings of the Council of the Governor-General of India, assembled for the purpose of making Laws and Regulations:—

Nothing for Publication.

SUPPLEMENT No. 30.

PART I.

Government of India Notifications, Appointments, Promotions, &c.

HOME DEPARTMENT.

NOTIFICATIONS.

ESTABLISHMENTS

Simla, the 23rd July, 1889.

No. 424.—Mr. J. Westland, C.S.I., received charge of the Office of Chief Commissioner of Assam from Mr. D. Fitzpatrick, C.S.I., on the forenoon of the 16th instant.

The 25th July, 1889.

No. 428.—The services of Captain C. J. Orr, 3rd Infantry, Hyderabad Contingent, are replaced at the disposal of the Military Department, with effect from the 29th instant.

No. 431.—Lieutenant G. E. T. Green, M.S.C., is confirmed in his appointment as Assistant Commissioner, 4th Grade, in Burma, with effect from the 28th February, 1889.

No. 434.—Mr. A. P. Howell is permitted to resign Her Majesty's Bengal Civil Service, with effect from the 13th proximo or such other date on which he may sail from India.

EXAMINATIONS.

The 24th July, 1889.

No. 49.—Mr. Brajendranath Dê, of the Bengal Civil Service, having obtained a Degree of

Honour in Sanskrit in the 1st Division, has been presented with the authorized donation of Rs. 5,000.

MEDICAL.

The 20th July, 1889.

No. 463.—Brigade-Surgeon J. G. Pilcher, Civil Surgeon of Darjeeling, is appointed to officiate as Inspector-General of Civil Hospitals, North-Western Provinces and Oudh, during the absence on privilege leave of Deputy Surgeon-General W. R. Rice, M.D., or until further orders.

ECCLESIASTICAL.

The 25th July, 1889.

No. 260.—With effect from 20th July or any subsequent date on which he may take over charge of his duties, the Reverend W. A. Hamilton is appointed to officiate as Chaplain of Jubbulpore, during the absence on privilege leave of the Reverend W. H. Bray.

The 26th July, 1889.

No. 264.—ADDENDUM AND CORRIGENDUM.—The following addition and correction in the

Revised Ecclesiastical Rules promulgated by Home Department Notification No. 103, dated the 20th June, 1885, are published for information:

Rule 1 (3). Part I.—For the words “During the temporary absence of the Chaplain and at stations where there is no Resident Chaplain” substitute “Where there are Lay Trustees or a Church Committee they will have the same powers and responsibilities in regard to the cemetery as in regard to the Church. At stations where there are no Trustees or Committee, if there is no resident Chaplain or during the temporary absence of the Chaplain.”

A. P. MACDONNELL,
Secretary to the Government of India.

REVENUE AND AGRICULTURAL DEPARTMENT.

NOTIFICATIONS.

PATENTS.

Simla, the 19th July, 1889.

No. 1479-P.—Specifications of the under-mentioned inventions have been filed, under the provisions of Act V. of 1888, in the Office of the Secretary to the Government of India in the Revenue and Agricultural Department. Copies have been sent to the Governments of Fort St. George and Bombay and the Chief Commissioner of Burma. A copy of every specification is open to public inspection at all reasonable hours at the Office of the Secretary to the Government of India in the Revenue and

Agricultural Department at the Presidency, upon payment of a fee of one rupee. A certified copy of any specification will be given to any person requiring the same on payment of the expense of copying.—

No. 82 of 1888.—John Charles Meliss, Civil Engineer, of 232, Gresham House, Old Broad Street, in the City of London, England, for improvements in sewing machines.

No. 34 of 1889.—George Ashworth and Elijah Ashworth, of the firm of Ashworth Brothers of the Moss Brook Works, Colleyhurst, Manchester, in the County of Lancaster, England, Engineers, for improvements in the method of and in means for attaching the clothing to carding engine flats.

No. 123 of 1889.—James Roots, of 19, St. Mary's Road, Westbourne Park, Middlesex, England, Engineer, for improvements in Petroleum Engines.

No. 136 of 1888.—Andrew Thomas, Rajputana-Malwa Railway, Neemuch, Permanent-Way Inspector, for interlocking level crossing gates with signal.

No. 2 of 1889.—Henry Louis Phillips, of South Hornsey, in the County of Middlesex, Gentleman, for improvements in the construction of stoppers or covers for the mouths or openings of bottles, pots, jars, and other hollow vessels.

No. 122 of 1889.—Friedrich Adolf Reihlen, Chemist, of Stuttgart, in the Empire of Germany, for improvements in treating sparkling and effervescent beverages.

No. 126 of 1889.—Henry Edmunds, of 10, Hutton Garden, in the City of London, England, Electrical Engineer, for improved system and means to be used in the supply or distribution and control of electricity for lighting or other purposes.

REVENUE.

The 24th July, 1889.

No. 521-R.—The following statement of the terms on which grants of land in Burma may be made to approved applicants who are willing to undertake the introduction of cultivators from certain parts of India, framed by the Chief Commissioner and approved by the Government of India, are published for general information:

Grants of land may be given to approved applicants undertaking to introduce emigrants from Chutia Nagpur and Behar, including the whole of the Patna Division and the districts of Bhagalpur and Monghyr, on the following conditions, namely:

I.—Applications for grants under these rules shall be made to the Financial Commissioner, and must be accompanied by satisfactory proof that the applicant has sufficient means to work the grant. The applicant must be approved by the Chief Commissioner before action is taken under the rules hereinafter recorded.

II.—The extent of the grant in each case will be determined by the Financial Commissioner; but without the previous consent of the Chief Commissioner no grant shall be made in excess of 10,000 acres.

III.—Ninety per cent. of the cultivators settled on the land shall be natives of Behar, as above defined, and Chutia Nagpur.

IV.—The application must specify the approximate area of the land, the district and township in which it is situated, and the boundaries so far as they are known.

V.—With the application, the applicant shall deposit 4 annas per acre to defray the cost of survey and demarcation. If the cost is less than 4 annas per acre, the excess will be returned to the applicant.

VI.—The land shall be revenue-free for the following terms according to its description :

DESCRIPTION OF LAND.	DURATION OF TENURE FREE.	RATES OF FUTURE ASSESSMENT ON CULTIVATED AREAS, AND DURATION THEREOF.			
	Years.	One anna per acre.	Two annas per acre.	Four annas per acre.	Six annas per acre.
1. Land covered with grass	3	3	3	9	15
2. Land covered with reeds, elephant-grass, or bushes	6	6	6	6	9
3. Land covered with small trees not exceeding 1 foot in diameter.	9	9	9	6	...
4. Land covered with large trees	12	12	9	...	...
5. Forest jungle on hills	18	15	...	...	...

In determining the class to which each grant may belong, the character of three-fourths of the area, or as near that proportion as is possible, is to be considered as that of the whole. After the expiry of 33 years two-thirds of the rates assessed on similar land in the neighbourhood will be charged for 66 years. Thereafter the land will be liable to assessment under the law for the time being in force.

VII.—When the land comprised in the grant is assessed to revenue after the expiry of the term of 33 years, the grantee shall have the option of accepting the settlement of the land at the rates assessed, or of declining the settlement; in which case he shall be entitled to receive an allowance of 5 per cent. of the gross amount of revenue assessed on the land, and the Government may make such arrangements for the farming or leasing of the land for such period not exceeding the period of settlement as it may determine.

VIII.—Ten per cent. of the area shall be brought under cultivation during the first five years, and an additional 5 per cent. during each succeeding period of seven years up to the end of 33 years, when the grant shall become absolute.

IX.—Subject to compliance with the conditions above named, the grantee shall be at liberty to transfer the grant during the first 33 years with the consent of the Local Government; after the 33rd year the grantee shall have a perpetual and transferable title, subject only to the laws and regulations regarding tenant-right which may be passed by the Legislature.

X.—The right to all mines and mineral products, coal, petroleum, and quarries under or within any land granted or leased is reserved to Government with full liberty to the Government, its assigns, lessees, licensees, agents, workmen, and all other persons acting on its behalf or with its permission, to search for and work the same, subject to payment of compensation on account of disturbance or surface damage. Such compensation shall be determined by the Deputy Commissioner as nearly as may be in accordance with the law for acquisition of land for the time being in force.

XI.—No person shall fell, sell, or remove for sale any teak trees standing on the land granted or licensed to him, except under a special license granted under the Forest Rules. But any person to whom a grant or lease of land has been made may fell, sell, or remove for sale or for private use, without license, any other kinds of trees, whether reserved or not, standing on the land so granted or leased, provided that any timber so felled shall be liable to pay the usual rate at any check station it may pass, but not elsewhere. If such person converts any such trees into charcoal or cutch, he shall pay the usual fee on licenses for the manufacture.

XII.—All changes in the grantee's possession of land by transfer or succession, and all mortgages and partitions of his interest, shall be reported in writing to the Thugyi of the circle—in cases of succession, by the person succeeding; in other cases, by all parties to the transaction—within 60 days of such change, mortgage, or partition. The Thugyi shall register the facts reported in the form of register to be prescribed, and shall obtain the signature of the person or persons reporting, and shall give the person reporting a certificate that the report has been made.

XIII.—If any person, without good and sufficient cause, neglects to make the report prescribed under Rule XI. within the time specified therein, the Deputy Commissioner may impose on him a penalty which shall not exceed Rs. 20, with a further daily penalty not exceeding Re. 1 for each day for continuing breach of the condition.

XIV.—Should any grantee neglect to fulfil the terms specified in these rules, or any portion of them, the grant shall be resumed, or such other penalties shall be inflicted on the grantee as may be agreed upon when the grant is made. Provided that no resumption shall be made without due notice having been served on the grantee requiring him to show cause why his grant should not be resumed, after which proceedings shall be held and a decision formally recorded in each case. The decision shall be open to appeal in the usual manner.

E. C. BUCK,

Secretary to the Government of India.

CHIEF COMMISSIONER OF BURMA.

NOTIFICATION.

Rangoon, the 27th July, 1889.

No. 107 of 1889.—In exercise of the powers conferred by section 5 of the Scheduled Districts Act, XIV. of 1874, and in supersession of Notification No. 343, dated the 13th August, 1887, the Chief Commissioner, Burma, is pleased,

with the previous sanction of the Governor-General in Council, to extend the Upper Burma Land and Revenue Regulation, 1889, with effect from the date of this Notification to the territories transferred to Lower Burma by Notifications Nos. 109 and 341, dated respectively the 24th February and the 13th August, 1887.

By order,

H. THIRKELL WHITE,

Offg. Chief Secy. to the Chief Commissioner, Burma.

FOREIGN DEPARTMENT.

NOTIFICATIONS.

Simla, the 22nd July, 1889.

No. 1309-G.—With the sanction of Her Majesty's Government, the Governor-General

in Council is pleased to recognise the appointment of Mr. J. Braesecke as Consul for Denmark at Rangoon.

The 24th July, 1889.

No. 1318-G.—The following temporary appointments are made in the Meywar Bheel

Corps, with effect from the 2nd July, 1889, consequent on the departure of Lieutenant-Colonel N. R. Stewart, Wing Commander and Second-in-Command, to join the Merwara Battalion, and pending the arrival of Captain E. R. Penrose :

Lieutenant C. H. Dawson, Wing Officer and Adjutant, to officiate as Wing Commander and Second-in-Command.

Lieutenant H. L. Showers, Wing Officer, to officiate as Adjutant, in addition to his own duties.

No. 1428-E.—In exercise of the powers conferred by section 13 and section 24, sub-section (2), of the Births, Deaths and Marriages Registration Act, VI. of 1886, the Governor-General in Council is pleased to appoint the Resident in Nepal for the time being to be *ex-officio* Registrar of Births and Deaths for Nepalese Territory, and the Registrar-General of Births, Deaths and Marriages for Bengal to be the Registrar-General to whom the certified copies of the entries in the register books kept by the said Registrar shall be sent.

The 25th July, 1889.

No. 1442-E.—The following Order of Her Majesty in Council, published in the *London Gazette* of the 31st May, 1889, is republished for general information :

AT THE COURT AT WINDSOR.

The 28th day of May, 1889.

PRESENT :

The Queen's Most Excellent Majesty.

Lord President.

Earl of Coventry.

Lord Ashbourne.

Whereas by the "Foreign Deserters Act, 1852," it is provided that whenever it is made to appear to Her Majesty that due facilities are or will be given for recovering and apprehending Seamen who desert from British Merchant Ships in the territories of any foreign power, Her Majesty may, by Order in Council stating that such facilities are or will be given, declare that Seamen, not being slaves, who desert from

Merchant Ships belonging to a subject of such power when within Her Majesty's dominions, shall be liable to be apprehended and carried on board their respective ships, and may limit the operation of such Order, and may render the operation thereof subject to such conditions and qualifications, if any, as may be deemed expedient ;

And whereas it has been made to appear to Her Majesty that due facilities will be given for recovering and apprehending Seamen who desert from British Merchant Ships in territories belonging to the United States of Mexico under a Treaty between the Governments of Great Britain and the United States of Mexico, signed at the City of Mexico, on the 27th November, 1888 :

Now, therefore, Her Majesty, by virtue of the power vested in Her by the said "Foreign Deserters Act, 1852," and by and with the advice of Her Privy Council, is pleased to order and declare, and it is hereby ordered and declared, that from and after the publication hereof in the *London Gazette* Seamen, not being slaves and not being British subjects, who, within Her Majesty's dominions, desert from Merchant Ships belonging to Citizens of the United States of Mexico, shall be liable to be apprehended and carried on board their respective ships : Provided always that if any such deserter has committed any crime in Her Majesty's dominions, he may be detained until he has been tried by a competent Court, and until his sentence, if any, has been fully carried into effect.

And the Secretary of State for the Home Department, the Secretary of State for the Colonies, and the Secretary of State for India in Council are to give the necessary directions herein accordingly.

C. L. Peel.

No. 1177-F.—The services of Mr. C. L. Griesbach, C.I.E., are replaced at the disposal of the Revenue and Agricultural Department, with effect from the 23rd July, 1889.

H. M. DURAND,

Secretary to the Government of India.

DEPARTMENT OF FINANCE AND COMMERCE.

NOTIFICATIONS.

ACCOUNTS AND FINANCE.

PUBLIC DEBT.

Simla, the 23rd July, 1889.

No. 3802.—In pursuance of Rule 22 of the Rules made by the Government of India under Section 14 of the Indian Securities Act, XIII. of 1886, and published in the *Gazette of India*, dated 7th January, 1888, page 6, the following list is hereby advertised of Securities lost or destroyed, in respect of which an order has been made for payment of interest pending the issue of a duplicate Security, or for the issue of such duplicate Security. All persons, other than the respective claimants named below, who have any claim upon these Securities, should communicate immediately with the Comptroller General, the Treasury, Calcutta.

Notice is hereby given that the Securities mentioned in the first division of the list (marked A) will be discharged at the General Treasury of Fort William on the 31st December 1889 with all interest due upon them, and that upon that date all further interest upon such Securities shall cease. Notice of discharge has already been given in respect of all Securities mentioned in the second division of the list (marked B).

N.B.—Under Section 13 of the said Act, Government will be discharged from all liability in respect of the original Securities in the first division (marked A) after the lapse of six years from (a) the several dates stated against them in the last column of the list, or (b) the last payment of interest on them, whichever date is the later.

A

No. of the Note and name of Loan.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of Comptroller-General's order.	Date of publication of list in which the Security was first mentioned.
047153 4% 1842-43	500	Mohamed Ali Rugay	Aug. 1, 1884	Dwarkan Nath	Order No. 1289, dated 3-1-89	July 1889
134185 " "	500	The Bank of Bengal	Ditto	Raghoba Tar-		
048510 " 1854-55	1,000	Dwarkan Nath Raghoba	July 1, 1884	khedkar.		
*203852 " 1865	500	and Raghoba Pandurang				
		Mutty Lall Burrel	Nov. 1, 1887	The Delhi and	" 1433, dated 30-1-89	Ditto
				London Bank, Limited.	" 1640, dated 13-3-89	Ditto
193015 " "	500	The Bank of Bengal	May 1, 1885	{ Mrs. Maria de Vi-		
191278 " "	500			zincão E. Souza.		
059378 " 1842-43	1,000	The Oriental Bank Cor-	Feb. 1, 1881	{ Kanoji Rao Bin	" 1638, dated 13-3-89	Ditto
		poration.		{ Deojee Gound.		
086093 " "	500	The Bank of Bengal	Feb. 1, 1885	Hormusjee Surab-	" 46, dated 10-4-89	Ditto
C121042 " "	1,000	The Bank of Bombay	Feb. 1, 1884	jee Mehta.	" 190, dated 10-5-89	Ditto
124996 " "	1,000	Hira Lall Tribhuban	Feb. 1, 1884	Jose Joas Maria		
124997 " "	1,000	Dass.		Moniz.	" 230, dated 17-5-89	Ditto
163941 " 1865	500	Tarinee Charan Ghose	May 1, 1886	{ Sreenmitty Ka-		
205192 " "	500			dumbinee Das-		
				see.		
173492 " "	1,000	The Chartered Bank of	May 1, 1886	Doyal Chund	" 273, dated 25-5-89	Ditto
173493 " "	1,000	India, Australia and		Chuckerbutty		
173255 " "	500	China.		Seromon.		
208422 " "	1,000	The National Bank of	May 1, 1886	Jogendra Chunder	" 275, dated 25-5-89	Ditto
		India, Limited.		Sen.		
212692 " "	1,000	The Bank of Bengal	May 1, 1886	Kampta Pershad &	" 371, dated 10-6-89	Ditto
212693 " "	1,000			Ambika Pershad.		
188802 " "	500	The Bank of Bengal	Nov. 1, 1870	Nund Kishore	" 366, dated 10-6-89	Ditto
008407 " "	500	The Executive Commis-	Jan. 16, 1889			
*A009538 Red. " 1879	1,000	sariat Officer, Rawal-				
		Pindi. Nund Kishore				

B

000589 3 1/2% 1853-54	500	Controller of Military Ac-	Feb. 28, 1881	Moolraj	Order No. 10, dated 5-2-87	Aug. 13, 1887
000478 " "	5,000	counts, Bengal.	Feb. 29, 1876	Shama Sundary	" 13, dated 23-6-82	Aug. 12, 1882
000936 4% 1832-33	2,000	Hurish Chunder Ghuttuck	Nov. 1, 1873	Hurish Chunder	" 1281, dated 28-5-77	Ditto
Ct. 8339 4% 1835-36	500	Kristo Mohun Mitter	March 31, 1863	Madhub Chunder	Letter No. 8194, dated 14-2-74	Feb. 25, 1882
10948 " "	500	James English	March 31, 1868	Chatterjee.	" 892, dated 16-5-76	Ditto
006592 " "	500	Hurish Chunder Ghuttuck	March 31, 1877	Madho Mistry	" 1281, dated 28-5-77	Ditto
				Hurish Chunder		
006996 " "	500	Ditto	Sept. 30, 1873	Ghuttuck.		
005783 " "	600	Nobokissory Dassee	Sept. 30, 1872	Ditto	" 2306, dated 27-7-77	Ditto
001262 " "	1,000	Sreenath Mookerjee	March 31, 1871	Nobokissory Dassee	" 4315, dated 5-10-77	Ditto
009710 " "	500	Rajnarain Chatterjee	March 31, 1875	Doyal Chand Seal	" 1510, dated 13-6-78	Ditto
				Rajnarain Chatter-		
				jee.		
008612 " "	1,000	Kadumbini Dabec	Sept. 30, 1874	Hura Knomar	Order No. 3, dated 8-2-82	Aug. 12, 1882
011382 " "	1,000	Ditto	Ditto	Gossain and		
				Soorjee Kumar		
				Gossain.		

No. of the Note and name of Loan.	Value.	to whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of Comptroller-General's order.	Date of publication of list in which the Security was first mentioned.
	R					
015719 4% 1835-36	1,000	Bank of Bengal	March 31, 1877	Heera Lal	Order No. 18, dated 3-3-82	Aug. 12, 1882
008595 " "	1,000	Prem Chand Bose	Sept. 30, 1870	Sham Chand Bose	" 15, dated 7-7-82	Ditto
002614 " "	500	Nobin Chunder Paul	Sept. 30, 1871	Rohoram Banerjee	" 21, dated 30-10-82	Jan. 13, 1883
003254 " "	2,500	{ Nursu Babjee Sanehi	March 31, 1868	Mt. Unabai	" 66, dated 6-9-84	Sept. 27, 1884
001285 " "		{ Wayaker.				
13365 of 8059	4,000	Rajchandra Soor	March 31, 1879	Haridhona Soor and Srinoti Hari Dass	" 65, dated 28-8-84	March 21, 1885
13367 " "	1,000	Ditto	Ditto	Ditto	" 19, dated 9-9-82	Jan. 13, 1883
3981-14965	1,000	Rajah Indoo Bhushan Deb Rny.	March 31, 1861	Ponra Chunder Gangooli.	" 24, dated 6-7-87	Jan. 28, 1888
014514 " "	1,000	Mohina Chunder Mozumdar, Executor, Estate, Opendra Chunder Mozumdar.	Sept. 30, 1880	Surendro Chunder Mozumdar, Executor, Estate, Mohina Chunder Mozumdar.		
024259 4% 1842-43	1,000	Bholanath Mitter	Feb. 1, 1873	Bholanath Mitter	Letter No. 3043, dated 29-8-76	Feb. 25, 1882
024261 " "	1,000	Ditto	Ditto	Ditto	" 3625, dated 20-8-75	Ditto
011852 " "	1,000	Netye Churn Bysack	Ditto	Nabee Buksh Shekdar.	" 6032, dated 9-2-77	Ditto
029914 " "	1,000	Tara Sundary Dabee	Aug. 1, 1874	Tara Sundary Dabee.		
013697 " "	500	Hurish Chunder Ghuttuck	Feb. 1, 1873	Hurish Chunder Ghuttuck.	" 1281, dated 28-5-77	Ditto
013698 " "	500	Ditto	Ditto	Ditto		
013699 " "	1,000	Ditto	Feb. 1, 1874	Ditto		
023259 " "	1,000	Ditto	Aug. 1, 1873	Ditto		
014164 " "	1,000	Ditto	Ditto	Ditto		
013431 " "	500	Ditto	Feb. 1, 1873	Ditto		
014326 " "	500	Ditto	Aug. 1, 1873	Ditto		
Ct. 14914 " "	1,000	The Bank of Bengal	Aug. 1, 1871	Dyal Chand Seal	" 4315, dated 5-10-77	Ditto
18998 " "	1,000	Pettimbhur Dhar	Ditto	Ditto	" 6242, dated 3-11-79	Ditto
034182 " "	1,000	Jewanjee Bomanjee, Har-musjee Pestonjee & Fuckerjee Lunjee.	Aug. 1, 1874	Hormusjee Pestonjee and Fuckerjee Lunjee.	" 7706, dated 31-12-79	Ditto
002540 " "	1,000	Peary Mohun Ghosany	Aug. 1, 1866	Guru Churn Chnekerbutty.	" 2602, dated 20-6-80	Ditto
040876 " "	5,000	Bepro Dass Dass	Aug. 1, 1877	Bepro Dass Dass	" 6592, dated 27-12-80	Ditto
075291 " "	10,000	Pramanatcha Sectarunara.	Ditto	Pramanatcha Sectarunara Gara.	" 180, dated 3-6-81	Ditto
029160 " "	4,000	Mothooru Nath Sircar	Feb. 1, 1878	Nileunto Pall	" 39, dated 18-4-82	Aug. 12, 1882
056608 " "	1,000	Oriental Bank Corporation.	Ditto	Degumbury Dabee		
035874 " "	1,000	Bank of Bengal	Feb. 1, 1877	Bhonhunesury Dabee.	Order No. 3, dated 8-2-82	Ditto
019889 " "	5,401	Kadumbini Dabee	Feb. 1, 1875	Huroo Kumar Gossain and Soorjee Kumar Gossain.	" 2, dated 8-2-82	Ditto
045164 " "	1,000	Mungamur Lakshminarsoo and Mungamur Lakshmanma.	Aug. 1, 1879	Mungamur Lakshminarsoo and Mungamur Lakshmanma.	" 32, dated 29-12-82	Jan. 13, 1883
047000 " "	1,000	Mohesh Chunder Sen	Feb. 1, 1877	Mohesh Chunder Sen.	" 25, dated 30-10-82	Ditto
047001 " "	1,000	Ditto	Ditto		" 38, dated 6-4-83	Sept. 15, 1883
04,002 " "	1,000	Ditto	Ditto		" 40, dated 26-4-83	Ditto
047003 " "	1,000	Ditto	Ditto		" 47, dated 10-8-83	May 3, 1884
000248 " "	1,000	Executive Commissariat Officer, Kusowlee.	Feb. 1, 1866	Jowala Persand	" 48, dated 28-8-83	Ditto
Ct. 19682 " "	300	Audit Chunder Addy	Aug. 1, 1880	Gopal Chunder Ghose.	" 52, dated 13-9-83	Ditto
009974 " "	500	The Bank of Bengal	Feb. 1, 1879	Mrs. S. J. Stuart	" 85, dated 17-9-85	Jan. 30, 1886
039090 " "	500	S. T. Moysey	Ditto	Ditto	" 83, dated 11-9-85	Ditto
039487 " "	500	Collector of Allahabad	Aug. 1, 1879	Subadar Boghail Sing.	" 60, dated 2-4-84	Sept. 27, 1884
089923 " "	500	Bank of Bengal	Ditto	Ditto		
038637 " "	5,000	F. D. I. Ezra	Feb. 1, 1878	Indromoni Dass, Administratrix, Estate Gunga Narain Sircar.	" 48, dated 28-8-83	Ditto
052900 " "				Ditto		
056251 " "	5,000	Chartered Mercantile Bank.	Ditto			
001189 " "	1,000	Ram Rutten Bose	Aug. 1, 1874	Drobomoyee Dabee	" 52, dated 13-9-83	Ditto
018461 " "	500	Secretary and Treasurer, Bank of Bengal.	Aug. 1, 1872	Nolini Nath Mitter	" 85, dated 17-9-85	Jan. 30, 1886
0582943 " "	1,000	Nobo Gopal Mitter	Feb. 1, 1882	Sreemutty Durgamoney Dassce.	" 83, dated 11-9-85	Ditto
088401 " "	1,000	Bank of Bengal	Aug. 1, 1881	Goshy Churn Dass, care of Dwarka Nath Dutt, Attorney-at-law, 3, Hastings Street.	" 60, dated 2-4-84	Sept. 27, 1884
089468 " "				Ditto		
067609 " "	500	Ditto	Ditto	Sreeram Chunder Ghosal.	" 81, dated 15-7-85	Jan. 30, 1886
089582 " "	4,000	Debnath Sreemany	Feb. 1, 1881	Bhola Nath, son of Makhun Lall.	" 67, dated 24-10-84	Mar. 21, 1885
19146 " "	500	Chandi Pershad Dinonath.	Aug. 1, 1869	Durga Monee Dabee.	" 12, dated 28-2-87	Aug. 13, 1887
050117 " "	500	Oriental Bank Corporation.	Feb. 1, 1880	Durga Monee Dabee.	" 13, dated 19-3-87	Ditto
051414 " "	1,000	Burjorjee Framjee & Co.	Feb. 1, 1878	Administrator General, Bengal, Administrator, Estate of Raj Chunder Ghose.	" 19, dated 13-6-87	Ditto
099752 " "	1,500	Gopal Chunder Sreemany	Aug. 1, 1881	Burn & Co.	" 70, dated 17-12-84	Mar. 21, 1885
086608 " "	500	Ditto	Feb. 1, 1879	C. G. D'Souza		

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	R					
135234 4 % 1842-43	1,000	Parus Das	Feb. 1, 1885	Bhanjan Lal	Order No. 23, dated 5-7-87	Jan. 28, 1888
078500 " "	2,000	Mohima Chunder Mozumdar, Executor, Estate, Opendra Chunder Mozumdar.	Aug. 1, 1880	Surendro Chunder Mozumdar, Executor, Estate, Mohima Chunder Mozumdar.	" 24, dated 6-7-87	Ditto
142763 " "	1,000	Bank of Bengal	Feb. 1, 1885	Bholanath Banerjee.	" 28, dated 15-12-87	Jan. 28, 1888.
103833 " "	1,000	Prossonno Coomar Mitter	Ditto	Upendro Kissen Mitter and Repin Behari Mitter, Administrators, Estate, P. C. Mitter.	" 30, dated 15-12-87	Ditto
090867 " "	500	Bank of Bengal	Aug. 1, 1879	Netto Moyee Dassee, Administratrix, Estate, Aukhov Coomar Mullick.	" 31, dated 15-12-87	Ditto
051063 " "	100	The Oriental Bank Corporation.	Aug. 1, 1882	Pana Lal Dass	Letter No. 886 D, dated 24-10-88	Jan. 19, 1889
092215 " "	500	The Bank of Bengal	Feb. 1, 1884	Lalla Bholi Nath	" 820 D, dated 25-9-88	Ditto
035982 " 1854-55	1,800	Mungamur Lakshminarsoo and Mungamur Lakshminama.	June 30, 1879	Mungamur Lakshminarsoo and Mungamur Lakshminama.	Order No. 2, dated 8-2-82	Aug. 12, 1882
Ct. 401 " "	1,000	Gopal Chunder Seal & Co.	Dec. 31, 1862	Madhub Chunder Chatterjee.	Letter No. 8194, dated 14-2-74	Feb. 25, 1882
10299 " "	1,000	Administrator General, Bengal.	June 30, 1868	Sreenutty Bama Sundry Dabee.	Order No. 24, dated 30-10-82	Jan. 13, 1883
17252 " "	4,500	Mungamur Nursimharaw	June 30, 1878	Mungamur Nursimharaw.	" 28, dated 24-11-82	Ditto
018972 " "	1,000	Hurish Chunder Ghuttuck.	Dec. 31, 1873	Hurish Chunder Ghuttuck.	Letter No. 1281, dated 28-5-77	Feb. 25, 1882
014423 " "	1,000	Ditto	Ditto	Ditto	" 4315, dated 5-10-77	Ditto
024588 " "	1,000	Petumber Dhur	June 30, 1871	Loyal Chand Seal	" 7533, dated 1-2-79	Ditto
43985 " "	500	Khetter Gopal Sen	June 30, 1873	Khetter Gopal Sen	Order No. 15, dated 7-7-82	Aug. 12, 1882
021160 " "	500	Prem Chand Bos	Dec. 31, 1870	Sham Chand Bos	" 44, dated 31-7-83	May 3, 1884
019182 " "	500	Bhojokisto Mullick & Sons	June 30, 1877	Bhojokisto Mullick & Sons.		
011859 " "	600	A. M. Sutherland	June 30, 1879	C. J. Venetta		
42809 " "	500	Bank of Madras	Ditto	Goobiah.	" 56, dated 22-2-84	Ditto
022431 " "	2,500	Ditto	Ditto	Ditto		
019741 " "	2,000	Pundit Ambicka Proshad	June 30, 1883	Pundit Ambicka Proshad.	" 6, dated 27-9-86	Mar. 5, 1887
034039 " "	1,000	Abdul Rahman	Dec. 31, 1855	Musannimat Amceeran, Administratrix, Estate, Abdul Rahman.	" 25, dated 5-10-87	Jan. 28, 1888
33693 " "	500	Gundappa Row	June 30, 1875	Gundappa Row		
012572 " "	500	Ditto	Ditto	Ditto		
011559 " "	1,000	Ditto	Ditto	Ditto		
012560 " "	1,000	Ditto	Ditto	Ditto		
012561 " "	1,000	Ditto	Ditto	Ditto		
012562 " "	1,000	Ditto	Ditto	Ditto		
012563 " "	1,000	Ditto	Ditto	Ditto		
012564 " "	1,000	Ditto	Ditto	Ditto		
012565 " "	1,000	Ditto	Ditto	Ditto		
012566 " "	1,000	Ditto	Ditto	Ditto		
012567 " "	1,000	Ditto	Ditto	Ditto		
012568 " "	1,000	Ditto	Ditto	Ditto		
012569 " "	1,000	Ditto	Ditto	Ditto		
012570 " "	2,500	Ditto	Ditto	Ditto		
012571 " "	1,500	Ditto	Ditto	Ditto		
086119 " 1865	500	Troylucko Mohinee Dassee.	Nov. 1, 1877	Troylucko Mohinee Dassee.	" 173 D, dated 16-6-82	Aug. 12, 1882
2766 " "	500	Modho Sondun Bose	May 1, 1867	Saroda Churn Bose	" 3849, dated 9-9-74	Feb. 25, 1882
003330 " "	2,000	Netye Churn Bysack	Nov. 1, 1872	Nabve Buksh Shekdar.	" 3625, dated 20-9-76	Ditto
1305 " "	500	Tulsey Das Mullick	May, 1, 1873	Wooma Churn Chuckerbutty.	" 6427, dated 3-3-77	Ditto
017194 " "	500	Hurish Chunder Ghuttuck.	Ditto	Hurish Chunder Ghuttuck.	" 1281, dated 28-5-77	Ditto
052804 " "	500	Gopal Chunder Sreemany	Ditto	Ram Gopal Pal and Deno Nath Ruckhit.	" 4877, dated 8-11-77	Ditto
055837 " "	500	Bijraj Jagam	Ditto	Ditto		
028408 " "	500	Khetter Gopal Sen	Nov. 1, 1873	Khetter Gopal Sen	" 7533, dated 1-2-79	Ditto
037506 " "	500	The Bank of Bengal	Nov. 1, 1875	Comul Churn Endro.	" 9058, dated 20-3-79	Ditto
038264 " "	500	Gopal Chunder Sreemany	May 1, 1876	Sreenutty Brojocoomary Dassee.	Order No. 87, dated 10-12-85	Jan. 30, 1886
082310 " "	3,000	Joggon Mohini Dabee	Ditto	Joggon Mohini Dabee.	Letter No. 4439, dated 16-8-79	Feb. 25, 1882
060464 " "	500	The National Bank of India, Limited.	Nov. 1, 1874	Octavius Sterl	" No. 7196, dated 10-12-79	Feb. 25, 1882
059217 " "	500	Ditto	Ditto	Ditto		
066053 " "	600	Ditto	Ditto	Ditto		
064391 " "	1,000	Ram Chunder Seal	Nov. 1, 1880	Sreeram Chunder Ghosal.	Order No. 81, dated 15-7-85	Jan. 30, 1886
073233 " "	2,000	Modhobun Dass Dwarka Dass.	May 1, 1881	Kasee Dayee	" 82, dated 10-8-85	Ditto

No. of the Note and name of Loan.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of Comptroller-General's order.	Date of publication of list in which the Security was first mentioned.
	R					
085045 4% 1865	5,000	Dr. Charles J. Jackson and William M. Souter.	May 1, 1877	Sreeram Chunder Pal.	Letter No. 4055, dated 21-8-80	Feb. 25, 1882
087736 " "	5,000	Modhobun Dass Dwarka Dass.	Ditto	Jadob Chunder Pal	" 4053, dated 21-8-80	Ditto
112316 " "	500	Ramjeebun Ghosh	Nov. 1, 1880	R. C. Gunning	} Order No. 86, dated 12-11-85	Jan. 30, 1886
089563 " "	500	Debnath Sreemany	Ditto	Ditto		
002175 " "	2,000	Brojo Nath Mullick and others, Executors of Taruck Nath Mullick.	May 1, 1876	Sheik Nazir Mundle and Sheik Syed Mundle.	Letter No. $\frac{6590}{D}$, dated 27-12-80	Feb. 25, 1882
036859 " "	1,000	E. E. J. Tweedie	Nov. 1, 1875	Prosono Coomar Bose.	" 9007, dated 30-3-81	Ditto
066583 " "	1,300	The Administrator General, Bengal.	Nov. 1, 1877	The Dy. Commr. of Delhi, Admr. of G. D. E. Dorris.	" 5734, dated 19-11-80	Ditto
063409 " "	5,000	Dheer Chand Pal	Ditto	Dheer Chand Pal.	} " $\frac{183}{D}$, dated 3-6-81	Ditto
063410 " "	5,000	Ditto	Ditto	Ditto		
063411 " "	2,000	Ditto	Ditto	Ditto		
063412 " "	500	Ditto	Ditto	Ditto		
063413 " "	500	Ditto	Ditto	Ditto		
063618 " "	1,500	Ditto	Ditto	Ditto		
066944 " "	500	Bissonath Bakchee	May 1, 1878	Prosono Coomar Hakchee.	" $\frac{454}{D}$, dated 29-8-81	Ditto
095796 " "	1,000	Bank of Bengal	May 1, 1877	Hera Lall	} Order No. 8, dated 3-3-82	Aug. 12, 1882
075629 " "	500	Gopal Chunder Sreemany	Nov. 1, 1875	Nilmoni Ghose		
032266 " "	1,000	Mohesh Chunder Sen	Nov. 1, 1876	Mohesh Chunder Sen.	" 26, dated 30-10-82	Jan. 13, 1883
032267 " "	1,000	Ditto	Ditto	Ditto	} " 32, dated 29-12-82	Ditto
032268 " "	1,000	Ditto	Ditto	Ditto		
032269 " "	1,000	Ditto	Ditto	Ditto		
038522 " "	1,000	The Chartered Mercantile Bank of India, London, and China.	Nov. 1, 1871	Omrito Coomari Dasi.	" 4, dated 29-5-86	Aug. 21, 1886
037713 " "	500	Petrocochino Brothers	Ditto	Ditto	} " 16, dated 8-8-82	Jan. 13, 1883
115472 " "	500	Helen T. Schumacher	Nov. 1, 1879	Helen T. Schumacher.		
115473 " "	500	Ditto	Ditto	Ditto		
115474 " "	500	Ditto	Ditto	Ditto		
5256 " "	500	E. E. Petrocochino & Co.	May 1, 1868	S. Bama Soondery Dabee.	" 24, dated 30-10-82	Ditto
000208 " "	500	Kartick Chunder Burd	Ditto	Ditto	} " 20, dated 13-10-82	Ditto
078693 " "	500	National Bank of India, Limited.	May 1, 1880	Ram Coomar Chooranoney.		
037871 " "	500	Dayal Chand Sahoye	May 1, 1873	Brijendra Coomar Sen.	" 30, dated 9-12-82	Ditto
048219 " "	500	Mooltan Chund	May 1, 1876	Chuna Lal	" 31, dated 29-12-82	Ditto
050218 " "	500	Deb Nath Sreemany	May 1, 1880	Kudumbini Dassi	" 33, dated 29-12-82	Ditto
102595 " "	500	Ramjeebun Ghose	May 1, 1878	Chundi Churn Sen	" 3, dated 28-4-86	Aug. 21, 1886
106893 " "	1,000	National Bank of India	Ditto	Gopal Chund Heerjee Kottra.	} " 39, dated 26-4-83	Sept. 15, 1883
106894 " "	1,000	Ditto	Ditto	Ditto		
106895 " "	1,000	Ditto	Ditto	Ditto		
106896 " "	1,000	Ditto	Ditto	Ditto		
106898 " "	1,000	Bank of Madras	Nov. 1, 1879	Cunchi Jugurapnoody Vencata Soobiah		
106886 " "	1,000	Ditto	Ditto	Ditto	} " 56, dated 22-3-84	May 3, 1884
035554 " "	2,000	Ditto	Ditto	Ditto		
067785 " "	2,000	Ditto	Ditto	Ditto		
001015 " "	2,000	Nursu Babji Sanch Waker.	May 1, 1868	Musomut Amabai	" 66, dated 6-9-84	Sept. 27, 1884
000088 " "						
053583 " "	500	Nobo Coomar Acharji	Nov. 1, 1877	Lakhan Chunder Acharji, care of Bama Churn Roy, East Indian Railway, Agent's Office, Calcutta.	" 62, dated 5-6-84	Ditto
142787 " "	1,000	Bistu Das Ghose	Nov. 1, 1881	Sreemutty Adya Suckty Dassee and Debendro Nath Ghose.	" 21, dated 27-6-87	Mar. 21, 1885
114368 " "	500	Jogo Mohun Lahiri	Nov. 1, 1882	Jogo Mohun Lahiri	} " 72, dated 19-1-85	Sept. 5, 1885
119716 " "	500	Ditto	Ditto	Ditto		
089755 " "	1,000	Deb Nath Sreemany	Ditto	Ditto		
123866 " "	500	Jogo Mohun Lahiri	Ditto	Bhobo Sundari Dabee.		
150377 " "	1,000	Ditto	Ditto	Ditto		
150385 " "	500	Ditto	Ditto	Ditto		
150386 " "	1,000	Ditto	Ditto	Ditto	} " 73, dated 21-1-85	Ditto
026520 " "	1,100	J. L. Buxbury	May 1, 1878	Pir Ali Behehilji		
036874 " "	2,000	Pundit Kishen Lall	May 1, 1877	Pundit Kishen Lall	" 76, dated 24-1-85	Ditto
161053 " "	1,000	Comptroller General	Nov. 1, 1882	Punna Lall	} " 7, dated 16-10-86	Mar. 5, 1887
161054 " "	1,000	Ditto	Ditto	Ditto		
056652 " "	1,000	Oriental Bank Corporation.	Nov. 1, 1877	Manager, National Bank of India, Limited, Madras.	" 8, dated 28-10-86	Ditto
134064 " "	500	The Controller of Military Accounts, Bengal.	May 1, 1881	Moolraj	" 10, dated 5-2-87	Aug. 13, 1887
103146 " "	500	Luchmee Chund Radha Kissen.	Nov. 1, 1877	Administrator General, Bengal, Administrator, Estate of Raj Chunder Ghose.	" 13, dated 19-3-87	Ditto
105488 " "	500	Deb Nath Sreemany	Nov. 1, 1878	Ditto	} " 17, dated 26-4-87	Ditto
162257 " "	500	Kanve Lall Sein	Nov. 1, 1882	Bunkoo Lall Dhur		

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	R					
108437 4% 1865	1,000	National Bank of India, Ld.	May 1, 1878	P. Namasevoyam	Order No. 18, dated 22-4-87.	Aug. 13, 1887
110825 " "	2,000	P. Namasevoyam Modelier	Ditto	Modelier		
091402 " "	500	Deb Nath Sreemany	Nov. 1, 1880	Burn and Co.	" 19, dated 13-6-87.	Ditto
142785 " "	500	Bistu Das Ghose	Nov. 1, 1881	Sreemutty Adya Suckty Dassee and Debendra Nath Ghose.	" 22, dated 27-6-87.	Ditto
142786 " "	500	Ditto	Ditto	Ditto		
205064 " "	2,000	Issur Das and Banarasi Das.	Nov. 1, 1884	Bhajan Lal	" 23, dated 5-7-87.	Jan. 28, 1888
104201 " "	500	Mohima Chunder Mozumdar, Executor, Estate, Opendro Chunder Mozumdar.	Nov. 1, 1880	Surendra Chunder Mozumdar, Executor, Estate, Mohima Chunder Mozumdar.	" 24, dated 6-7-87.	Ditto
104234 " "	500	Ditto	Ditto	Ditto		
059314 " "	500	Samji Jadooji	Nov. 1, 1875	Framji Cowasji Marker.	Letter No. 5826 D, dated 23-11-80	Jan. 19, 1889
059315 " "	500	Ditto				
024819 " "	500	The new Bank of Bombay, Ld.				
A012497R, 1879	4,000	Sreeram Chunder Ghosal		Sreeram Chunder Ghosal.		
012498 " "	2,000	Ditto	Ditto	Ditto	Order No. 81, dated 15-7-85.	Jan. 30, 1886
A002748 " "	500	Bank of Bengal	July 16, 1881	Sancata Churn Mitter.		
004614 " "	800	The Chartered Mercantile Bank of India, London, and China.	Jan. 16, 1872	Khutter Nath Moostuphi and Chunderguttu Moostuphi.	Letter No. 6265, dated 22-2-77	Feb. 25, 1882
004407 " "	500	Hurish Chunder Ghuttuck	Jan. 16, 1874	Hurish Chunder Ghuttuck.	" 1281, dated 28-5-77	Ditto
004534 " "	1,000	Ditto	July 16, 1873	Ditto		
023973 " "	5,000	Beethal Pershad	Ditto	Beethal Pershad	" 2305, dated 27-7-77	Ditto
007068 " "	500	Mooktamoni Dabee	Jan. 16, 1872	Mooktamoni Dabee		
013984 " "	500	Denonath Ganguly	Ditto	Denonath Ganguly	" 4876, dated 8-11-77	Ditto
032999 " "	1,000	Mooktamoni Dabee	Ditto	Mooktamoni Dabee		
034511 " "	500	Ditto	Ditto	Ditto	" 1663, dated 26-5-80	Ditto
054501 " "	1,100	Ramtaruk Mookerji	July 16, 1877	Kadumbini Dahee		
027398 " "	1,000	Nowrojee Bazanji Fuckerjee.	Jan. 16, 1877	Merwanjee Franjee Moudi and Jarbai.	" 3471, dated 27-7-80	Ditto
024163 " "	1,000	Dhunjeehoy Nanobhoy.	Ditto	Ditto		
028833 " "	1,000	J. W. Chisholm	Ditto	Ditto	" 4979, dated 29-9-80	Ditto
028834 " "	1,000	Ditto	Ditto	Ditto		
041272 " "	1,000	C. M. H. Day	Jan. 16, 1875	Vullub Dass Heera Chund.	Order No. 1, dated 8-3-82	Aug. 12, 1882
008776 " "	500	Bunsi Lall Abeerchand	July 16, 1874	P. Durgachellum Moudellier.		
043475 " "	4,000	Jose Francisco de'Piedade Pereira.	Jan. 16, 1872	Jose Andre Pereira	" 9, dated 2-3-82.	Ditto
034522 " "	500	Pundit Harshahye and his wife Roopanti.	Jan. 16, 1874	Pandit Harshahye and his wife Roopanti.	" 23, dated 30-10-82	Jan. 13, 1883
034523 " "	500					
005235 " "	500	Rajkisto Banerjee	July 16, 1874	Omesh Chunder Banerjee.	" 27, dated 30-10-82	Ditto
027710 " "	1,000	Mohesh Chunder Sen	Jan. 16, 1877	Mohesh Chunder Sen.		
027711 " "	1,000	Ditto	Ditto	Ditto	" 32, dated 29-12-82	Ditto
049515 " "	500	S. T. Moyses	Jan. 16, 1879	Mrs. S. J. Stewart		
057055 " "	3,000	Bhawaji Khosal Chand.	July 16, 1876	Dabidas Pranjvan Dass.	" 40, dated 26-4-83	Sept. 15, 1883
061360 " "	500	J. Alanalamena	Jan. 16, 1878	Mysore Streenivasa Rao.	" 41, dated 16-5-83	Ditto
065878 " "	500	Bank of Bengal	Jan. 16, 1880	Helen T. Schumacher.	" 42, dated 12-6-83	Ditto
A011498 " "	5,000	Rani Lall Badree Dass	Jan. 16, 1881	Registrar, High Court, Allahabad.	" 16, dated 8-8-82	Jan. 13, 1883
A006468 " "	500	Seeta Nath Mytee	July 16, 1879	Seeta Nath Mytee	" 49, dated 14-9-83	May 3, 1884
059007 " "	500	Dr. John Meane	Jan. 16, 1879	Dr. John Meane	" 53, dated 19-10-83	Ditto
059008 " "	500	Ditto	Ditto	Ditto	" 54, dated 19-10-83	Ditto
059009 " "	1,300	Ditto	Ditto	Ditto		
029091 " "	600	Bank of Madras	July 16, 1879	C. J. Vencata Sobbiah.	" 56, dated 22-2-84	Ditto
064270 " "	2,000	Dorabji Dassabhai	Jan. 16, 1881	Dorabjee Dassabhai	" 71, dated 8-1-85	Sept. 5, 1885
007588 " "	1,000	J. E. Sherloek	July 16, 1880	Burn & Co.		
036894 " "	500	Pandurang Gopal Pandhe Gurjar.	Jan. 16, 1878	Rakhmabi or Administrator.	" 19, dated 13-6-87	Aug. 13, 1887
036895 " "	1,000	Ditto	Ditto		" 75, dated 24-1-85	Sept. 5, 1885
036896 " "	1,000	Ditto	Ditto		" 88, dated 14-1-86	Aug. 21, 1886
006943 " "	500	Major R. Monks	Jan. 16, 1881	Major R. Monks		
063502 " "	1,000	Mohima Chunder Mozumdar, Executor, Estate, Opendro Chunder Mozumdar.	July 16, 1880	Surendro Chunder Mozumdar, Executor, Estate, Mohima Chunder Mozumdar.	" 24, dated 6-7-87	Jan. 28, 1888
055431 " "	500	Executive Commissariat Officer, Sealkote.	Jan. 16, 1876	Bhigoan Dass	" 29, dated 15-12-87	Jan. 28, 1888
A027480Rd. " "	10,000	Harmookraj Fool Chand.	July 16, 1884	Bissen Dyal Hur Dyal.	" 1068 D, dated 20-11-88	Jan. 19, 1889
009719 4 1/2% 1870	500	Major R. Monks	Jan. 15, 1881	Major R. Monks	" 88, dated 14-1-86	Aug. 21, 1886

No. of the Note and name of Loan.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of Comptroller-General's order.	Date of publication of list in which title Security was first mentioned.
011450 4½% 1870	2,500	Mohima Chunder Mozumdar, Executor, Estate of Opendra Chunder Mozumdar.	July 15, 1880	Surendro Chunder Mozumdar, Executor, Estate of Mohima Chunder Mozumdar.	Order No. 24, dated 6-7-87.	Jan. 28, 1888
009706 " "	3,500	Ditto	Ditto	Ditto	" 1089 D, dated 23-11-88	Jan. 19, 1889
011438 " "	500	Ditto	Ditto	Ditto		
011459 " "	500	Ditto	Ditto	Ditto		
007874 " "	800	Henry Sevestre	Jan. 15, 1878	Henry Sevestre		
Non-transferable Treasury Note. 000062 5% 1872	500	Gopika Bai, Manager of Mandir Vital Rookhmal of Ramtek.	March 16, 1883	Gopika Bai, Manager of Mandir Vital Rookhmal of Ramtek.	" 11, dated 5-2-87	Aug. 13, 1887
000019 4% Muttra and Hattaras Light Railway Debenture.	5,000	Koer Sham Pershad	April 1, 1883	Koer Sham Pershad	" 26, dated 3-12-87	Jan. 28, 1888
*490 3½% 1853-54	10,000	Shama Soondary	Feb. 28, 1867	Shama Soondary	Letter No. 947, dated 5-5-73	Feb. 25, 1882
*491 " "	10,000	Ditto	Ditto	Ditto		
*492 " "	3,000	Ditto	Ditto	Ditto		
*164 " "	600	Soolayman Mirza	Feb. 29, 1856	Soolayman Mirza	" 1456, dated 3-6-75	Ditto
*000078 " "	1,600	Mootoo Swamy Pillay	Aug. 31, 1871	Mootoo Swamy Pillay	" 323 D, dated 3-6-89	Ditto
*002205 4% 1832-33	500	Opium Agent, Benares	May 1, 1882	Opium Agent, Benares	Order No. 84, dated 15-9-85	Jan. 30, 1886
*10084 " "	Sic 500	Shibnarain Roy	May 1, 1842	Shibnarain Roy	Letter No. 7540, dated 20-3-78	Feb. 25, 1882
*14663 " "	5,000	Moti Khanum	Nov. 1, 1856	Bisheshwar Pershad	Order No. 55, dated 15-11-83	Ditto
*Ct.001565 " "	2,000	M. Amoorthlingum	May 1, 1878	P. Rama Swamy Moodeliar.	" 362 D, dated 7-6-89	Aug. 12, 1882
*Ct.001566 " "	3,000	Ditto	Ditto	Ditto	Letter No. 6508, dated 5-12-73	Feb. 25, 1882
*2709 " 1835-36	1,000	Moti Khanum	Sept. 30, 1856	Bisheshwar Pershad		
*12380 " "	1,000	Shama Churn Ghose	March 31, 1871	Shama Churn Ghose		
*4231 " "	500	Boly Chand Dutt	March 31, 1866	Boly Chand Dutt	" 3154, dated 17-8-75	Ditto
*3298 " "	1,100	Rakkhal Chunder Bhuttacharji.	Sept. 30, 1872	Rakkhal Chunder Bhuttacharji.	" 2960, dated 24-8-76	Ditto
*006753 " "	500	Tara Churn Bhuttacharji	Ditto	Tara Churn Bhuttacharji.		
*006814 " "	1,000	Suburban Municipality, Alipore.	Ditto	Suburban Municipality, Alipore.	Order No. 57, dated 15-12-83	Sept. 27, 1884
*000671 " "	2,000	Ladlipershad	Sept. 30, 1883	Ladlipershad	" 74, dated 19-1-85	Feb. 25, 1882
*016103 " "	5,000	Unnodapershad Banerji	Sept. 30, 1884	Bank of Bengal	" 79, dated 15-4-85	Sept. 5, 1885
*016139 " "	1,000	Opium Agent	Sept. 30, 1882	Opium Agent	" 84, dated 15-9-85	Jan. 30, 1886
*005940 " "	2,800	Mootoo Swamy Pillay	Sept. 30, 1871	Mootoo Swamy Pillay	" 323 D, dated 3-6-89	Feb. 25, 1882
*8186 " 1842-43	500	Shama Churn Chatterji	Feb. 1, 1861	Shama Churn Chatterji.	Letter No. 5564, dated 25-10-73	Feb. 25, 1882
*8475 " "	500	Brojo Govind Shaha	Feb. 1, 1869	Brojo Govind Shaha.	" 8770, dated 10-3-74	Ditto
*17794 " "	700	Ditto	Ditto	Ditto		
*11380 " "	500	Cassee Nathi Dhur	Aug. 1, 1859	Shiboo Soondary Dassee.	" 565, dated 28-4-75	Ditto
*6024 " "	5,000	Nobokristo Ghose, deceased.	Aug. 1, 1869	Mone m chun Ghose and Saroda Soondary Dassee.	" 6721, dated 25-1-75	Ditto
*8653 " "	3,000	Ditto	Ditto	Ditto	" 2399, dated 13-7-75	Ditto
*017871 " "	500	Kadumbini Dassee	Feb. 1, 1873	Kudumbini Dassee		
*000254 " "	1,000	Ditto	Ditto	Ditto		
*020284 " "	500	Ditto	Ditto	Ditto		
*011009 " "	2,000	Ditto	Ditto	Ditto	" 2960, dated 24-8-76	Ditto
*021705 " "	1,000	Unnoda Churn Bhuttacharji.	Aug. 1, 1872	Unnoda Churn Bhuttacharji.		
*Ct.18856 " "	500	Modhoosoodon Chunder	Ditto	Ditto	" 3819, dated 12-10-76	Ditto
*21611 " "	600	Nobin Chunder Das	Aug. 1, 1870	Nobin Chunder Dass.		
*022862 " "	500	Modhoosoodon Chowdhry.	Aug. 1, 1873	Ditto	" 1020 D, dated 4-12-86	Aug. 12, 1882
*24731 " "	2,000	Ramlall Buddredoss	Feb. 1, 1854	Moonshi Newal Kishore.		
*038336 " "	1,000	W. T. Lindsay	Feb. 1, 1875	John Lindsay, Administrator of W. T. Lindsay.	" 4507, dated 16-10-78	Feb. 25, 1882
*016542 " "	10,700	H. Palmer	Aug. 1, 1878	The Revd. Robert Milford Taylor R. M. Taylor, Jr., and Alicia Mary Taylor.	" 3680 D, dated 5-8-80	Ditto
*Ct.14713 " "	500	Anup Chunder Moolchand.	Aug. 1, 1858	Bajoonjee Furdonjee.	" 5111 D, dated 7-10-80	Ditto
*056370 " "	1,000	The Chartered Mercantile Bank of India, London, and China.	Aug. 1, 1878	V. Kristnama Chetty.	" 3142 D, dated 19-7-80	Ditto
*056453 " "	2,000	Ditto	Ditto	Ditto		
*056371 " "	1,000	Ditto	Ditto	Ditto		
*056372 " "	1,000	Ditto	Ditto	Ditto		
*080125 " "	1,000	The Agra Bank, Limited	Ditto	Ditto		
*062895 " "	1,000	The Bank of Bombay	Ditto	Ditto		
*059414 " "	1,000	The Oriental Bank Corporation.	Ditto	Ditto		

No. of the Note and name of Loan.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of Comptroller-General's Order.	Date of publication of list in which the security was first mentioned.
*058152 4% 1842-43	100	The Bank of Bombay	Feb. 1, 1879	Surgeon H. D. Mussani.	Letter No. 185 D, dated 3-6-81	Feb. 25, 1882
*065207 " "	100	The Chartered Mercantile Bank of India, London, and China.	Ditto	Ditto		
*065211 " "	100	The Chartered Mercantile Bank of India, London, and China.	Ditto	Ditto		
*1133 " "	500	Kallypado Mookerjee, deceased.	Feb. 1, 1862	Sowdamini Dabee	" 614 D, dated 27-10-81	Ditto
*6970 " "	1,000	The Executive Commissariat Officer, Fort William.	Ditto	Ditto		
*040945 " "	2,000	The Bank of Bengal	Feb. 1, 1878	Mohomed Wujhoollah Khan.	" 9146 D, dated 13-1-80	Ditto
*077070 " "	500	Sitanath Mytee	Feb. 1, 1879	Sitanath Mytee	Order No. 18, dated 10-8-82	Jan. 13, 1883
*17528 " "	500	Digamburree Dassee	Aug. 1, 1874	Digamburree Dassee	Letter No. 168 D, dated 15-6-82	Feb. 25, 1882
*112962 " "	500	Bank of Bengal		Collector of Bhandshahr.	Order No. 36, dated 9-3-83	Sept. 15, 1883
*3166 " "	500	Bama Cally Dabee	Feb. 1, 1874	Bama Cally Dabee	" 51, dated 13-9-83	Feb. 25, 1882
*077312 " "	500	Suburban Municipality, Alipore.		Suburban Municipality, Alipore.		
*066820 " "	100	Ditto		Ditto	" 57, dated 15-12-83	Sept. 27, 1884
*052975 " "	100	Ditto		Ditto		
*051136 " "	100	Ditto		Ditto		
*010604 " "	500	Ditto		Ditto		
*069430 " "	100	Ditto		Ditto		
*057135 " "	100	Ditto		Ditto		
*057133 " "	100	Ditto		Ditto		
*092485 " "	2,000	Ditto		Ditto		
*077377 " "	300	Ditto		Ditto	" 45, dated 31-7-83	Feb. 25, 1882
*017477—141154	5,000	Jaffer Ali Khan	Aug. 8, 1881	Jaffer Ali Khan		
*017479 " "	2,000	Ditto	Ditto	Ditto		
*032555 " "	5,000	Bank of Bengal	Aug. 1, 1882	J. L. Gallot	" 69, dated 13-11-84	Mar. 21, 1885
*007603 " "	3,500	Mootoo Swamy Pillay	Aug. 1, 1871	Mootoo Swamy Pillay.	Letter No. 323 D, dated 3-6-89	Feb. 25, 1882
*016383 " "	500	Balcrustna Myaram	Aug. 1, 1870	Balcrustna Myaram.	" 251 D, dated 20-5-89	Ditto
*20222 " "	500	Hurri Nath Mookerjee	Feb. 1, 1861	Behary Bhusan Mukerjee.	" 434 D, dated 19-6-89	Ditto
*21200 " "	500	Ditto	Ditto	Ditto		
*20762 " 1854-55	500	D. McCulluch	June 30, 1859	Shiboo Soondary Dassi.	" 565 D, dated 28-4-75	Feb. 25, 1882
*2883—17027 " "	500	Obhay Churn Dutt	Ditto	Ditto		
*026294 " "	50,000	H. B. Goodall	Dec. 31, 1873	H. B. Goodall	" 5500, dated 30-11-74	Ditto
*024455 " "	10,000	Ditto	Ditto	Ditto		
*024456 " "	1,000	Ditto	Ditto	Ditto		
*026295 " "	4,000	Ditto	Ditto	Ditto		
*022758 " "	1,000	The Oriental Bank Corporation.	Ditto	Ditto		
*027593 " "	2,000	The Allahabad Bank, Limited.	Ditto	Ditto	" 5789, dated 12-12-74	Ditto
*022887 " "	5,000	Major J. W. Hogan	Ditto	The Delhi and London Bank, Limited.		
*38714 " "	4,000	Nobokristo Ghose, deceased.	Dec. 31, 1865	Monimohun Ghose and Saroda Soondary Dassi.	" 6721, dated 25-1-75	Ditto
*17950 " "	1,500	Ditto	Ditto	Ditto		
*7532 " "	500	Rugboonath Succaba, deceased.	Dec. 31, 1867	Morabhu Saccaram	" 2473, dated 15-7-75	Ditto
*772—18295 " "	1,000	Boly Chunder Dutt	June 30, 1866	Boly Chunder Dutt	" 3154, dated 17-8-75	Ditto
*001886 " "	1,000	Moolchand Premjee & Co.	June 30, 1875	Capt. F. J. Palmer		
*008379 " "	500	Greesh Chunder Mitter	June 30, 1872	Unnoda Churan Bhuttacharjee.	" 2960, dated 24-8-76	Ditto
*016140 " "	500	Rakhal Doss Bhuttacharjee	Ditto	Rakhal Chunder Bhuttacharjee.		
*016138 " "	1,000	Obhay Churn Bhuttacharjee.	Ditto	Obhay Churan Bhuttacharjee.		
*009231 " "	1,000	Ditto	Ditto	Ditto	" 4526, dated 17-11-76	Ditto
*10927—11615 " "	500	The Executive Commissariat Officer, Gwalior.	June 30, 1865	Rebecca Johnston.		
*9815 of L088 " "	500	The Administrator General, Administrator to the Estate of H. Randolph.	June 30, 1874	Tara Kissur Mookerjee.	" 6806, dated 17-3-77	Ditto
*33666 " "	4,100	Motee Khanum	Dec. 31, 1866	Bisheshur Pershad	Order No. 55, dated 15-11-83	Ditto
*36307 " "	2,000	Bullakadass Khemchand.	Dec. 31, 1863	Veejacland Keekachand.		
*30958 " "	1,000	Ditto	Dec. 31, 1862	Ditto	Letter No. 2227, dated 12-6-79	Ditto
*6392—26308 " "	1,000	Ditto	Ditto	Ditto		
*011009 " "	1,000	The Administrator General, Bengal.	Dec. 31, 1877	The Deputy Commissioner of Delhi, Administrator of G. D. E. Dorris.	" 6 D, dated 4-4-81	Ditto
*1868—9358 " "	500	The Deputy Commissary General, Upper Circle.	Dec. 31, 1861	Sowdomini Dabee	" 614 D, dated 27-10-81	Ditto
*007795 " "	1,000	Khandoss Muncharam	Dec. 31, 1877	Gurdhunbhai Doyaram.	" 1250 D, dated 13-12-88	Ditto
*034795 " "	1,000	J. H. Belchambers, W. L. Wenger, J. S. Sykes,	June 30, 1878	Survivors of the holders.	" 1266 D, dated 8-4-89	Ditto

No. of the Note and name of Loan.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of Comptroller-General's order.	Date of publication of list in which the Security was first mentioned.
*25289 4% 1854-55	2,000	Mootoo Swamy Pillay	June 30, 1871	Mootoo Swamy Pillay.	Letter No. 323 D, dated 3-6-89	Feb. 25, 1882
041413 " 1865	500	Golab Shunkar Doobey	Nov. 1, 1872	Goolab Shunkar Doobey.	" 1033 D, dated 31-3-84	Ditto
058157 " "	500	The National Bank of India, Limited.	May 1, 1874	Opendro Nath Mitter.	" 3626, dated 20-9-76	Ditto
011620 " "	1,000	J. W. Smyth	Nov. 1, 1859	J. W. Smyth	" 3393, dated 20-8-74	Ditto
011621 " "	1,000	Ditto	Ditto	Ditto		
011622 " "	1,000	Ditto	Ditto	Ditto		
011623 " "	1,000	Ditto	Ditto	Ditto		
011624 " "	1,000	Ditto	Ditto	Ditto		
055948 " "	2,000	Bevole Nath Haldar	May 1, 1873	Bevole Nath Haldar	" 5535, dated 2-12-74	Ditto
*2009 " "	1,000	Bank of Hindustan, China and Japan, Limited.	May 1, 1865	Khetter Mohun Nag.	" 1739, dated 16-6-75	Ditto
020899 " "	500	Jebun Kristo Mullick	Nov. 1, 1869	Doorga Churn Mullick.	" 3508, dated 2-9-75	Ditto
030158 " "	500	Doyal Chand Saloye	Nov. 1, 1870	James Brown	" 5188, dated 30-11-77	Ditto
*1802 " "	500	Coasi Nath Mookerjee	May 1, 1873	Lucky Money Dassee.	" 7292, dated 11-3-76	Ditto
035154 " "	500	Melur Lal Shanunto	Ditto	Melur Lal Shanunto	" 573, dated 2-5-76	Ditto
068458 " "	1,000	W. T. Lindsay	May 1, 1875	John Lindsay, Administrator of W. T. Lindsay	" 4507, dated 16-10-78	Ditto
068459 " "	1,000	Ditto	Ditto	Ditto		
094140 " "	500	Deb Nath Seemany	Nov. 1, 1878	Dwarkanath Pynet	" 597 D, dated 14-10-82	Sept. 15, 1883
095149 " "	500	Tiriny Churn Ghose	May 1, 1877	Chitay Lal	" 2125, dated 9-6-79	Feb. 25, 1882
099158 " "	500	Gourang Chunder Sircar	Ditto	Gourang Chunder Sircar.	" 4201, dated 7-8-79	Ditto
099159 " "	500	Ditto	Ditto	Ditto		
107375 " "	700	Nogur Mull	Nov. 1, 1878	The Executive Commissioner of Land Officer, Amballa	" 5073, dated 11-9-79	Ditto
086879 " "	1,000	Bulover Das	Ditto	The Unconventured Service Bank, Limited.	" 5119, dated 10-10-79	Ditto
097595 " "	1,000	H. L. Tonnochee	May 1, 1870	H. L. Tonnochee	" 6947, dated 1-12-79	Ditto
099542 " "	1,000	The Joint Administrator of Bhawnagar State	Nov. 1, 1878	V. Kristnam Chetty.	" 3142 D, dated 19-7-80	Ditto
014095 " "	800	The Administrator General, Bengal.	Nov. 1, 1877	The Deputy Commissioner of Delhi, Administrator of G. D. E. Dorris.	" 6 D, dated 4-4-81	Ditto
018419 " "	800	Ditto	Ditto	Ditto	Order No. 22, dated 6-11-82	Jan. 13, 1883
027730 " "	1,000	Chartered Mercantile Bank	Ditto	Ditto		
027942 " "	500	Hyranji Nissurwanji Soli	May 1, 1878	Lieutenant-Colonel A. A. Copland		
094743 " "	500	Executive Commissariat Officer, Morar.	Ditto	Ditto		
055526 " "	1,000	Tabitha Forester	May 1, 1873	Tabitha Forester	Letter No. 275 D, dated 31-7-82	May 3, 1884
094817 " "	3,500	Officer in charge, Residency, Indore.		Officer in charge, Residency, Indore.	Order No. 61, dated 14-4-84	Sept. 27, 1884
*155422 " "	1,000	Suburban Municipality, Alipore.		Suburban Municipality, Alipore.	" 57, dated 15-12-83	Ditto
056787 " "	10,000	Ditto		Ditto		
056790 " "	2,000	Ditto		Ditto		
056788 " "	1,000	Ditto		Ditto		
056797 " "	1,000	Ditto		Ditto		
056796 " "	1,000	Ditto		Ditto		
056791 " "	1,000	Ditto		Ditto		
056798 " "	1,000	Ditto		Ditto		
056789 " "	500	Ditto		Ditto		
056790 " "	500	Ditto		Ditto		
056792 " "	500	Ditto		Ditto		
056793 " "	500	Ditto		Ditto		
056794 " "	500	Ditto		Ditto		
056795 " "	500	Ditto		Ditto		
056847 " "	500	Ditto		Ditto		
056848 " "	500	Ditto		Ditto		
049461 " "	500	Ditto		Ditto		
109021 " "	2,000	Ditto		Ditto		
131234 " "	500	Ditto		Ditto		
111627 " "	500	Ditto		Ditto		
049799 " "	500	Ditto		Ditto		
198933 " "	2,000	Controller of Military Accounts.	May 1, 1884	Controller of Military Accounts.	" 77, dated 19-1-85	Sept. 5, 1885
072841 " "	500	Bank of Bengal	Nov. 1, 1875	Shama Kanth Chatterjee.	" 9, dated 16-11-86	March 5, 1887
*200570 " "	1,000	Ditto	Nov. 1, 1884	Kristo Kaminee Rudra.	" 14, dated 2-4-87	Aug. 13, 1887
*185916 " "	1,000	Joogul Kishore Lal and Rash Behary Lal.	Nov. 1, 1883	Joogul Kishore Lal and Rash Behary Lal.	" 1, dated 26-4-86	Jan. 28, 1888
093933 " "	500	J. H. Belchambers, W. L. Wenger, J. S. Sykes, and R. Williamson.	May 1, 1878	Survivors of the holders.	" 1366 D, dated 18-1-89	Feb. 25, 1882
099215 " "	1,000	Baroda Prasad Mookerjee and another.	May 1, 1879	Ishan Chunder Bose.	" 1614 D, dated 6-3-89	Aug. 12, 1882
107595 " "	500	Ditto	Ditto	Ditto		

* Duplicates of these notes have been issued.

† Renewed on bond.

No. of the Note and name of Loan.	Value.	In whose name issued.	From what date bearing interest.	Name of claimant for duplicate.	No. and date of Comptroller-General's order.	Date of publication of list in which the Security was first mentioned.
	R					
*090048 4% 1865	500	Luchmeechand Radhakisen.	May 1, 1879	Soobol Chunder Sen.	Order No. 1718 D, dated 28-3-89	Aug. 22, 1882
*045261 " "	1,000	The Bank of Bengal	Nov. 1, 1873	Byramjee Harmusjee.	" 1705 D, dated 26-3-89	Feb. 25, 1882
*048736 4½% 1872 Now Rd. 4% 1879	1,000	Shumboo Pundoorung	Jan. 16, 1879	The Deputy Commissioner of Balaghat.	" 1358 D, dated 15-5-80	Ditto
*056565 " "	10,000	The Bank of Madras	Jan. 16, 1876	V. Thavasumatha Nadan.	" 7283 D, dated 24-1-81	Ditto
*025359 " "	5,000	The Chartered Mercantile Bank of India, London, and China.	July 16, 1877	Davidas Pranjeevandas.	" 767 D, dated 13-12-81	Ditto
*065269 " "	3,000	Aspinwall & Co.	July 16, 1878	Aspinwall	" 29, dated 29-11-82	Jan. 13, 1883
*033562 " "	1,000	P. Valloida Chetty	Jan. 16, 1878	Ditto		
*033563 " "	1,000	Ditto	Ditto	Ditto		
*033564 " "	1,000	Ditto	Ditto	Ditto		
*012607 " "	1,000	Pundit Sheo Churn	Jan. 16, 1872	Pundit Sheo Churn	" 1583 D, dated 1-3-89	Feb. 25, 1882
*005172 " "	1,000	Bhoobun Mohinee Dasee	Jan. 16, 1877	Bhoobun Mohinee Dasee.	" 1414 D, dated 26-1-89	Ditto
*034126 Rd. " "	4,000	Triposore Shashagerow of Aska, Ganjam.	Sept. 15, 1885	Triposore Shashagerow of Aska, Ganjam.	" 842 D, dated 2-1-86	Sept. 27, 1884
*008825 " "	500	J. W. Fordham	Jan. 16, 1879	Sceta Nath Mytee	" 18, dated 10-8-82	Jan. 13, 1883
*A009862 " "	2,000	The Bank of Bengal	July 16, 1880	The Inspector-General of Police, N.W. Provinces.	Letter No. 216 D, dated 11-6-81	Feb. 25, 1882
*A009090 " "	5,000	The Agra Bank, Limited	Ditto	Ditto		
*000613 " "	2,500	Nursing Dass	July 16, 1881	Treasury Officer, Lahore, on behalf of Nursing Dass.	" 131 D, dated 5-6-82	Aug. 12, 1882
*056278 " "	500	Charcoondah Rama Chundriah.	July 16, 1876	Charcoondah Rama Chundriah.	" 1286 D, dated 5-3-87	Feb. 25, 1882
*049224 " "	1,000	Khandas Muncharam	Jan. 16, 1878	Gurdhunbhai Doyram.	" 1200 D, dated 13-12-88	Ditto
*049225 " "	1,000	Ditto	Ditto	Ditto		
*021728 " "	700	Oriental Bank Corporation.	July 16, 1883	Dewan of Mysore.	" 1174 D, dated 10-12-88	Jan. 19, 1889
*005806 4½% 1870	700	The Bank of Madras	Jan. 15, 1872	Lalladthur Zavir Chand.	" 4478, dated 27-10-75	Ditto
*000996 " "	500	Chundy Churn Ghose	July 15, 1873	Chundy Churn Ghose.	" 1480, dated 14-6-76	Ditto
*019100 " 1879	3,500	Triposore Shashagerow of Aska, Ganjam.	Sept. 15, 1885	Triposore Shashagerow of Aska, Ganjam.	" 842 D, dated 2-1-86	" "
*033891 " "	1,000	J. A. Campbell	Sept. 16, 1881	J. A. Campbell	Order No. 46, dated 11-8-83	Feb. 25, 1882
*000017 Nagpore- Raipur	200	Bema Pershad	July 1, 1880	Deputy Commissioner of Jubulpore, on behalf of the Debenture holders specified opposite.	Letter No. 17, dated 12-8-82	Jan. 13, 1883
*000097 Railway	500	Nirunjun Pershad Sukul.	Ditto			
*000098 Provincial	500	Ditto	Ditto			
*000050 Debenture	500	Doorga Pershad	Ditto			
*000167 Loan of	500	Raja Mohip Singh	Ditto			
*000178 1879 4½ per cent.	500	Sheodat Ram Sukul	Ditto			
*000010 Non-transferable 5% Try. Note.	500	Gopika Bai, Manager of Mundir Vithal Rukmai.	Sept. 16, 1874	Gopika Bai, Manager of Mundir Vithal Rukmai.	" 2053, dated 29-6-75	Feb. 25, 1882
*003488 5% 15 years' Debenture.	1,000	The Bank of Bengal	June 1, 1878	Moonshee Purbhodial.	" 8832, dated 5-2-80.	Ditto

* Duplicates of these notes have been issued.

ACCOUNTS AND FINANCE,

The 23rd July, 1889.

No. 3805.—Monthly Preliminary Statement of Receipts and Payments at Civil Treasuries in India.

June 1889.

(Lakhs of Rupees.)

	IN JUNE.		TO END OF JUNE.		WHOLE YEAR.	
	1889-90.	1888-89.	1889-90.	1888-89.	Budget, 1889-90.	Actuals, Preliminary, 1888-89.
Civil Revenue.						
Land Revenue (including Land Revenue due to Irrigation)	2,35	2,54	6,33	6,26	24,02	23,67
Opium	03	71	2,06	2,05	8,26	8,56
Salt	62	71	2,32	2,25	8,03	7,67
Stamps	35	37	1,03	1,02	3,96	3,93
Excise	41	39	1,18	1,17	4,73	4,79
Provincial Rates	39	36	1,02	91	3,26	3,09
Customs	11	9	40	33	1,42	1,33
Assessed Taxes	14	15	31	30	1,40	1,40
Forest (Madras and Bombay only)	2	2	7	7	45	43
Registration	3	4	9	9	33	33
Tributes from Native States	3	3	14	14	78	75
Other Civil Revenue	22	22	81	73	3,38	3,16
TOTAL CIVIL REVENUE DIRECTLY BROUGHT TO ACCOUNT; GROSS	5,30	5,63	15,76	15,32	60,02	59,02
Civil Expenditure.						
Interest on Ordinary Debt and that on Railways and Irrigation Works	— 14	— 16	— 1,15	— 1,05	— 4,18	— 4,00
Opium	— 3	— 6	— 79	— 1,66	— 2,36	— 2,60
Other Civil Expenditure	— 1,73	— 1,65	— 5,26	— 5,05	— 22,95	— 21,82
TOTAL CIVIL EXPENDITURE DIRECTLY BROUGHT TO ACCOUNT; GROSS	— 1,90	— 1,87	— 7,20	— 7,76	— 29,49	— 28,51
Receipts into Civil Treasuries from, and issues from those Treasuries to, the following Non-Civil Departments.						
[The figures comprising Revenue, Expenditure, and Debt and Remittance Transactions.]						
Post Office (Net: + Receipts more, — Receipts less, than Issues)	+ 1	+ 10	— 1	+ 26	+ 79	+ 84
Forest, Marine (Net as above)	— 1	+ 1	— 1	— 1	+ 6	+ 15
Guaranteed and Subsidized Railways (Net as above)	+ 34	+ 42	+ 1,41	+ 1,64	+ 4,25	+ 4,35
Do. Repayment of Surplus Profits, &c.	...	...	— 1	...	— 61	— 58
Military Receipts	+ 4	+ 6	+ 12	+ 16	+ 87	+ 78
Do. Issues	— 1,07	— 1,15	— 3,39	— 3,54	— 14,67	— 14,24
Telegraph Receipts	+ 4	+ 4	+ 13	+ 13	— 4	— 1
Do. Issues	— 5	— 5	— 15	— 15		
Public Works Department—						
State Railways Receipts	+ 62	+ 53	+ 2,03	+ 1,84	+ 27	+ 7,90
Do. Issues	— 61	— 65	— 2,06	— 2,07		— 8,34
East Indian Railway Receipts	+ 33	+ 32	+ 1,12	+ 1,08	+ 2,73	+ 3,87
Do. Issues	— 9	— 10	— 40	— 42		— 1,44
Ordinary Branches Receipts	+ 17	+ 20	+ 39	+ 41	+ 1,97	+ 1,97
Do. Issues	— 50	— 53	— 1,80	— 1,81	— 5,38	— 7,37
TOTAL NON-CIVIL DEPARTMENTS	— 78	— 80	— 2,63	— 2,48	— 11,73	— 12,12
Civil Debt and Remittance Transactions.						
Permanent Debt and Special Loans (Net: + Receipts more, — Receipts less, than Payments)	...	...	— 2	...	+ 2,42	+ 2,80
Mint Certificates and Bullion Advances (Net as above)	— 5	+ 4	— 9	+ 8	+ 8	+ 17
Exchange on Remittance Accounts	— 62	— 45	— 2,12	— 1,66	— 6,37	— 6,28
Council Bills paid (including Telegraphic) at Rs 10 per £	— 1,13	— 89	— 3,93	— 4,04	— 14,69	— 15,38
Other Debt Heads (Net as above)	— 4	+ 3	+ 30	+ 16	— 59	— 28
TOTAL DEBT AND REMITTANCE TRANSACTIONS	— 1,84	— 1,27	— 5,86	— 5,46	— 19,15	— 18,97
GRAND TOTAL RECEIPTS AND ISSUES	+ 78	+ 1,69	+ 7	— 38	— 35	— 58
Opening Cash Balance in Treasuries and Presidency Banks	12,59	11,81	13,30	13,88	12,90	13,88
Closing Cash Balance in Treasuries and Presidency Banks	13,37	13,50	13,37	13,50	12,55	13,39

LEAVE AND APPOINTMENTS.

The 26th July, 1889.

No. 3872.—Mr. H. G. H. Keene, Assistant Comptroller-General in charge of Paper Currency, Calcutta, is granted privilege leave for two months from the 1st September 1889.

Mr. A. P. Pennell, Assistant Comptroller of India Treasuries, is appointed to officiate as Assistant Comptroller-General in charge of

Paper Currency, Calcutta, during Mr. Keene's absence on privilege leave, or until further orders.

No. 3889.—Mr. H. Farrer is appointed to be Post Master General of the 1st Grade, and Mr. W. P. Symonds to be Post Master General of the 2nd Grade, with effect from the 13th May, 1889, in consequence of the appointment of Mr. A. U. Fanshawe as Director General of the Post Office of India from that date.

SEPARATE REVENUE.

SALT.

The 26th July, 1889.

No. 3883.—In exercise of the power conferred by section 28 of the Indian Salt Act, XII. of 1882, and in supersession of the Notification in the Department of Revenue, Agriculture, and Commerce No. 257, dated the 6th October 1876, the Governor-General in Council is pleased to make the following Rules for regulating the receipt from the public and the acceptance by the Assistant Commissioners of Salt Revenue at Sambhar, Pachbadra, and Khewra of indents for the supply of salt, and its transmission by rail to the station named by the applicant:

Rules.

I.—The salt will be issued as uniform in quality as possible, but no selection will be allowed.

II.—The applicant for salt shall either remit to the Assistant Commissioner in currency notes or by money order, or, if he prefers it, pay into any authorised Treasury or Sub-Treasury, the duty payable on the salt he requires, together with its price, the price including the cost of the salt and loading and all other charges. The duty and price shall be those payable at the rates respectively fixed and in force on the day when the remittance is received by the Assistant Commissioner, or payment is made at a Treasury or Sub-Treasury.

III.—When payment is made into a Treasury or Sub-Treasury, the officer receiving the money will give the person tendering it a receipt, and will by the same day's post despatch the advice of the receipt to the Assistant Commissioner of Salt Revenue by whom the salt is to be supplied.

IV.—Persons indenting for salt must transmit the Treasury receipt or currency notes or money order by post with the indent (forms of which are issued free of charge) in a registered cover to the Assistant Commissioner of Salt Revenue by whom the salt is to be supplied. Full particulars as to the destination of the salt and the person to whom it is to be consigned should be given, and the Assistant Commissioner, after comparing the Treasury receipt with the advice from the receiving officer, or, in the case of a remittance, crediting the sum remitted, will as soon as possible cause the salt to be despatched, *freight unpaid*, to the consignee, sending him the railway receipt by post.

V.—The salt indented for will be weighed, filled into bags, and loaded into the railway wagons without any further charges than those specified in Rule II.

VI.—Persons indenting for salt must provide bags in sufficient number, and must see (1) that the bags are legibly and accurately marked and consigned to the Assistant Commissioner of Salt Revenue by whom the salt is to be supplied, to whom also the railway receipt for the bags should be posted; (2) that all charges are fully paid on the bags; and (3) that they are sufficiently strong to hold the salt during the journey. When these conditions are not complied with, the Assistant Commissioner of Salt Revenue is empowered to refuse to fill the salt into the bags sent.

VII.—The consignee will receive delivery of the consignment from the railway in the usual manner on payment of the railway freight and charges. It must be distinctly understood that the Government is responsible only for the due delivery of the salt to the railway, and that the railway receipt is a sufficient release to the Government for the quantity of salt consigned.

E. J. SINKINSON,

Offg. Secretary to the Government of India.

MILITARY DEPARTMENT.*Simla, the 26th July, 1889.***APPOINTMENTS.****COMMISSARIAT DEPARTMENT.**

No. 658.—Major H. V. Hunt, Bengal S. C., Assistant Commissary-General, 3rd class, to be Assistant Commissary-General, 2nd class;

Captain and Brevet-Major H. Mansfield, Bengal S. C., Assistant Commissary-General, 4th class, to be Assistant Commissary-General, 3rd class;

Captain E. K. E. Spence, Bengal S. C., Deputy Assistant Commissary-General, 1st class, to be Assistant Commissary-General, 4th class;

Lieutenant A. L. Phillips, Bengal S. C., Deputy Assistant Commissary-General, 2nd class, to be Deputy Assistant Commissary-General, 1st class,—

with effect from the 29th May, 1889, *vice* Major A. T. S. A. Rind, C.M.G., Bengal S. C., Assistant Commissary-General, 2nd class, and officiating Commissary-General for Transport, who has been confirmed in that appointment.

No. 659.—Lieutenant G. L'H. Sanders, Bengal S. C., Deputy Assistant Commissary-General, 2nd class, on probation, is confirmed in that appointment, with effect from the 7th June, 1889.

HYDERABAD CONTINGENT.

No. 660.—*1st Cavalry*—

Second-Lieutenant J. L. Orr, 7th Hussars, a candidate for the Bengal Staff Corps, to be officiating Squadron Officer, on probation, with effect from the 30th June, 1889.

No. 661.—*2nd Cavalry*—

Lieutenant H. A. Lane, officiating Wing Officer, 4th Infantry, to be officiating Squadron Officer, with effect from the 1st July, 1889.

ORDNANCE DEPARTMENT.

No. 662.—Captain W. D. B. Fenton, R.A., Ordnance Officer, 2nd class, *additional*, is confirmed in that class, with effect from the 28th June, 1889, to complete increased establishment.

STAFF CORPS.

No. 663.—Second-Lieutenant Francis Douglas Grant, Hampshire Regiment, officiating Wing Officer, 1st Punjab Infantry, Punjab Frontier Force, is admitted to the Bengal Staff Corps, from the 2nd July, 1888, subject to confirmation by the Secretary of State for India.

Second-Lieutenant Grant will rank as Lieutenant in the Bengal Staff Corps, with effect from the 2nd July, 1888, subject to Her Majesty's approval.

No. 664.—Second-Lieutenant Harry McNeale Patterson, Suffolk Regiment, officiating Wing Officer, 31st Bengal Infantry, having completed eighteen months' probationary service, is admitted to the Bengal Staff Corps, from the 10th

December, 1887, subject to confirmation by the Secretary of State for India.

Second-Lieutenant Patterson will rank as Lieutenant in the Bengal Staff Corps, with effect from the 10th December, 1887, subject to Her Majesty's approval.

FURLOUGH AND LEAVE.

No. 665.—The undermentioned officers are granted furlough out of India:

Lieutenant-Colonel C. G. Cautley, General List, Cavalry, Military Accountant, 1st class, 1st grade, and officiating Controller of Military Accounts, Eastern Circle, Bengal, (p. a.) for one year and 121 days, under rule IX of the Regulations of 1868. (The furlough granted to him in G. G. O. No. 597 of 1889 is cancelled.)

Captain B. E. Spragge, D.S.O., Yorkshire Light Infantry, District Staff Officer, 2nd class, (m. c.) for six months, under Article 689, Army Regulations, India, vol. I., part I.

No. 666.—Lieutenant-Colonel J. B. Sparks, Bengal S. C., Executive Engineer, 1st grade, Public Works Department, is granted special leave for two years, with effect from the 2nd June, 1889, under Public Works Department Resolution No. 1940-G., dated the 3rd October, 1887.

No. 667.—The undermentioned officers are granted leave to proceed out of India on medical certificate under the leave rules for the Staff Corps; the leave to have effect in India from the date of being struck off duty till the date of sailing; the specified period to count from the date of leaving India:

Lieutenant C. Herbert, Bengal S. C., 44th Bengal Infantry, for one year. Pension service—5th year commenced 12th November, 1888.

Surgeon H. M. Brabazon for 182 days. Pension service—2nd year commenced 12th June, 1889.

No. 668.—Colonel H. J. Nuthall, Bengal S. C., has been permitted to reside out of India, with effect from the 10th July, 1889.

LONDON GAZETTE.

No. 669.—The following extracts are published for general information:

"*London Gazette*," dated the 28th June, 1889, pages 3460 and 3461.

INDIA OFFICE,
28th June, 1889.

The Queen has approved of the undermentioned Officers of the Staff Corps and Indian Military Forces being permitted to retire from the Service:

Colonel Alfred Frederick Pollock Harcourt, Bengal Staff Corps. Dated 8th March, 1889.

Colonel James Fitzgerald, Bengal Staff Corps. Dated 19th April, 1889.

Colonel Henry Morton, Bengal Staff Corps. Dated 1st May, 1889.

Lieutenant-Colonel Henry Arthur Fletcher, Bengal Cavalry. Dated 3rd March, 1889.

Deputy Surgeon-General Alexander Morison Dallas, C.I.E., Bengal Medical Establishment. Dated 2nd April, 1889.

Deputy Surgeon-General Alexander John Cowie, Bengal Medical Establishment. Dated 19th April, 1889.

Colonel Arthur Frederick Laughton, C.B., Madras Staff Corps. Dated 29th May, 1889.

Colonel Charles John Watson, Madras Staff Corps. Dated 12th June, 1889.

Brigade-Surgeon Robert Edmund Pearse, Madras Medical Establishment. Dated 30th April, 1889.

Surgeon-Major Joseph Patrick McDermott, M.D., Madras Medical Establishment. Dated 1st May, 1889.

Lieutenant-Colonel Macclesfield Forbes Coussmaker, Bombay Staff Corps. Dated 10th May, 1889.

Colonel George Mackenzie, Bombay Staff Corps. Dated 13th June, 1889.

The Queen has also approved of the date of retirement of Deputy Surgeon-General Alfred Eteson, M.D., Bengal Medical Establishment, being altered from the 13th January to the 14th January, 1889.

The Queen has approved of the following promotions among the Officers of the Staff Corps and Indian Military Forces made by the Governments in India:

BENGAL STAFF CORPS.

To be Lieutenant-Colonels.

Major William Oliver Thompson. Dated 18th March, 1889.

Major John Davidson. Dated 24th March, 1889.

Major George Masson Abbott. Dated 31st March, 1889.

Major Alfred Nimmo Sandilands. Dated 31st March, 1889.

To be Majors.

Captain James Andrew Colville Wedderburn. Dated 17th March, 1889.

Captain and Brevet-Major William Bernard Wilson. Dated 24th April, 1889.

BENGAL INFANTRY.

To be Colonels.

Lieutenant-Colonel and Colonel in the Army Woodburn Francis Bartleman. Dated 12th March, 1889.

Lieutenant-Colonel and Colonel in the Army Robert Hastie Inglis. Dated 12th March, 1889.

Lieutenant-Colonel and Colonel in the Army Henry Archibald McNair. Dated 1st April, 1889.

BENGAL MEDICAL ESTABLISHMENT.

To be Deputy Surgeons-General.

Brigade-Surgeon Edward Ord Tandy. Dated 2nd April, 1889.

Brigade-Surgeon John Richardson. Dated 19th April, 1889.

To be Brigade-Surgeon.

Surgeon-Major Lionel Dixon Spencer, M.D. Dated 27th January, 1889.

To be Surgeons-Major.—Dated 31st March, 1889:

Surgeon William Owen, M.D.

Surgeon David Morton Jack.

Surgeon Walter Conry.

Surgeon George Jerome Kellie.

Surgeon Dharmadas Basu.

Surgeon Alexander William Mackenzie.

Surgeon Jeremiah Mullane, M.D.

Surgeon Douglas Mullen, M.D.

Surgeon James Alexander Nelis.

Surgeon Aylmer Martin Crofts.

Surgeon James Crofts, M.D.

Surgeon William Coates, M.D.

Surgeon Joseph Blood.

* * * * *

INDIAN ARMY.

To be Colonels.

Lieutenant-Colonel John Hibbert, Bombay Infantry. Dated 27th February, 1889.

Lieutenant-Colonel Francis Monro Newbery, Bengal Infantry. Dated 4th March, 1889.

Lieutenant-Colonel Thomas James Quin, Bengal Infantry. Dated 4th March, 1889.

Lieutenant-Colonel Elphinstone Waters Begbie, Madras Infantry. Dated 4th April, 1889.

Lieutenant-Colonel William Lancaster Ranking, Madras Infantry. Dated 4th April, 1889.

Lieutenant-Colonel Victor Edward Law, Madras Cavalry. Dated 20th April, 1889.

The Queen has approved of the date of promotion of Brigade-Surgeon George Cochet Chesnaye and of Surgeon-Major John Bennett, M.D., Bengal Medical Establishment, to the rank of Deputy Surgeon-General and Brigade-Surgeon respectively, being altered from 13th January to 14th January, 1889.

* * * * *

ERRATA.

The second Christian name of Major G. W. Deane, Bengal Staff Corps, is *Williams*, and not William, as shown in the *London Gazette* of 15th March, 1889.

The surname of Captain William Edwin Bunbury, Bengal Staff Corps, is as here shown, and not as in the *London Gazette* of 9th April, 1889.

"*London Gazette*," dated the 2nd July, 1889, page 3534.

WAR OFFICE,

Pall Mall, 2nd July, 1889.

INDIAN LOCAL SERVICE.

Lieutenant-General Robert Blair, Bengal Infantry, has been transferred to the Unemployed Supernumerary List. Dated 5th June, 1889.

Major-General Sir Charles John Stanley Gough, K.C.B., V.C., Bengal Cavalry, to be Lieutenant-General. Dated 5th June, 1889.

Colonel Francis Shrubbs Iredell, Bombay Infantry, to be Major-General. Dated 5th June, 1889.

Major-General Mowbray Thomson, Bengal Infantry, to be Lieutenant-General on the Unemployed Supernumerary List. Dated 5th June, 1889.

Colonel Sussex William Lennox, Madras Infantry, to be Major-General on the Unemployed Supernumerary List. Dated 5th June, 1889.

Lieutenant-General Charles Renny Blair, Bombay Infantry, has been transferred to the Unemployed Supernumerary List. Dated 17th June, 1889.

PROMOTIONS.

No. 670.—The following promotions are made, subject to Her Majesty's approval:

To be Colonel in the Army.

Lieutenant-Colonel Henry Richards Shelley, Madras General List, Infantry,—20th July, 1889.

BENGAL STAFF CORPS.

Majors to be Lieutenant-Colonels.

Henry Affleck Graves,—16th July, 1889.

James Bird Hutchinson,—17th July, 1889.

NATIVE ARMY.

No. 671.—*1st Bengal Infantry*—

Jemadar Alah-bakhsh to be Subadar, and Havildar Wajid Ali Khan to be Jemadar, *vice* Sharaf Ali, transferred to the pension establishment, with effect from the 1st May, 1889.

No. 672.—*10th Bengal Infantry*—

Jemadar Shaikh Sawan to be Subadar, and Havildar Mana Khan to be Jemadar, *vice* Sham Ali Khan, transferred to the pension establishment, with effect from the 4th June, 1889.

Havildar Mansur Ali to be Jemadar, *vice* Bita Khan, transferred to the pension establishment, with effect from the 16th January, 1889.

Havildar Mai Dhan to be Jemadar, *vice* Shankar, transferred to the pension establishment, with effect from the 1st May, 1889.

No. 673.—*25th Bengal Infantry*—

Jemadar Bita Singh to be Subadar, and Havildar Sundar Singh to be Jemadar, *vice* Bahadur Singh, deceased, with effect from the 20th June, 1889.

PUNJAB FRONTIER FORCE.

No. 674.—*1st Battalion, 5th Gurkha Regiment*—

Subadar Parbal Gurung to be Subadar-Major, Jemadar Kanak Singh Thapa to be Subadar, and Havildar Sarbjit Thapa to be Jemadar, *vice* Bhagatbir Thapa, transferred to the pension establishment, with effect from the 1st June, 1889.

MARINE DEPARTMENT.

FURLOUGH AND LEAVE.

No. 38.—Mr. G. A. Rose, first grade officer, Indian Marine, has been granted by the Secretary of State for India an extension of furlough (m. c.) for six months.

PROMOTIONS.

No. 39.—The following promotions are made in Her Majesty's Indian Marine, with effect from the 1st July, 1889:

To be Second Grade Officers.

Third grade officer C. J. P. Carey.

Third grade officer H. F. Watts.

E. H. H. COLLEN,

Secretary to the Government of India.

MILITARY DEPARTMENT.

NOTIFICATION.

Simla, the 26th July, 1889.

Statement of Deposits on account of Estates between the 20th and the 26th July, 1889.

On whose account.	Rank.	Corps.	Date of decease.	Testate or Intestate.	Total unclaimed amount deposited.	Amount paid in India.	Date to which claims will be received.
					Rs. a. p.		
Walter Thomas Henry Nugent. (a)	Lieutenant	1st Battalion, Hampshire Regiment.	14th January 1889.	Intestate	789 13 3	...	25th September 1889.
Reginald Prideaux Wyley. (b)	Lieutenant	2nd Battalion, Royal Warwickshire Regiment.	17th March 1889.	Intestate	176 15 1	...	25th September 1889.
Charles Harold Hepworth Hely.	Captain	Bengal Staff Corps.	4th October 1888.	Will left	9 9 8	...	...
Arthur de la Cour Travers. (c)	Lieutenant	9th Bengal Lancers.	15th August 1888.	Intestate	97 15 2	...	25th September 1889.

(a)—*Nephew of him*—Brother—Captain A. Nugent, Royal Fusiliers, Poona.

(b)—*Nephew of him*—Mother—Mrs. M. H. Wyley, Seacroft, Sandown, Isle of Wight.

(c)—*Nephew of him*—Mother—Mrs. Christine Marion Travers, Statford House, Naloi Tal, North-Western Provinces.

E. H. H. COLLEN,

Secretary to the Government of India.

PUBLIC WORKS DEPARTMENT.

NOTIFICATIONS.

Simla, the 22nd July, 1889.

No. 223.—Colonel C. J. Smith, R.E., Consulting Engineer for Railways, Madras, having vacated his appointment under Rule III. of Public Works Department Notification No. 293, dated the 3rd September, 1880, is reappointed to that post, with effect from the 19th July, 1889.

The 25th July, 1889.

No. 224.—Lieutenant-Colonel G. F. E. S. Neill, M.S.C., Executive Engineer, 1st Grade, Bengal, is granted two years' special leave under the terms of Public Works Department Nos. 1940-41G., dated 3rd October, 1887.

No. 225.—Mr. A. R. Becher, Officiating Deputy Accountant-General, Public Works Department, is appointed Officiating Under-Secretary to the Government of India, Public Works Department, during the absence of Mr. R. G. Macdonald on privilege leave.

The 26th July, 1889.

No. 226.—Mr. W. D. Bruce, Executive Engineer, 2nd Grade, Bengal, has been permitted to retire from the service, with effect from the 30th March, 1889.

No. 227.—Mr. H. W. Perry, Apprentice Engineer, attached to State Railways, is promoted to Assistant Engineer, 3rd Grade, with effect from the 29th May, 1889.

No. 228.—Mr. J. W. Parry, Assistant Engineer, 1st Grade, State Railways, is promoted to Executive Engineer, 4th Grade, *temporary rank*, with effect from the 1st July, 1889.

No. 229.—Lieutenant-Colonel C. Cunningham, R.E., Executive Engineer, State Railways, is granted special leave under the terms of Public Works Department Nos. 1940-41G., dated 3rd October, 1887, with effect from the expiration of the leave sanctioned under Article 348 of the Civil Service Regulations.

R. C. B. PEMBERTON, *Colonel, R.E.,*

Secretary to the Government of India.

GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

Circular No. $\frac{50}{63-5}$ S.

Extract from the Proceedings of the Government of India in the Revenue and Agricultural Department (Surveys),—dated Simla, the 23rd July, 1889.

Read—

The General Report on the Operations of the Survey Department of India for the year 1887-88.

R E S O L U T I O N .

The Survey Department was under the direction of Colonel H. R. Thuillier, R.E., throughout the year, and the report, which presents a record of varied and useful work in survey and exploration, indicates that the Department continues to be maintained in a state of high efficiency.

2. Field operations were prosecuted by twenty-six parties, of which one was devoted to Trigonometrical Surveys, six to Topographical Surveys, nine to Cadastral and Forest Surveys, six to Traverse Surveys, one to Geographical Surveys, and three to Geodetic and Tidal and Levelling Operations.

3. The Party employed on Trigonometrical Surveys completed the 370 miles remaining of secondary triangulation along the east coast of India. Secondary triangulation was also carried out for an aggregate length of 270 miles by the parties employed in Baluchistan as a basis for topographical surveys in that region. The work of the Geodetic Party comprised the measurement of seven arcs of longitude in Southern India; and the Tidal Survey Party continued its observations with self-registering tide gauges at the several stations along the coast where tidal observatories are established and the connected operations of spirit levelling.

4. Geographical Surveys and Explorations have been carried out vigorously in Upper Burma, with the result that triangulation has been extended over an area of 23,000 square miles, and that nearly 21,000 square miles have been surveyed and mapped on the $\frac{1}{4}$ inch scale. The Survey officers who accompanied the Hukong Valley Expedition on the Eastern, and the Black Mountain expedition on the Western Frontier, succeeded in mapping large areas in comparatively unknown country on both sides of India, while a valuable addition was made to the geographical knowledge of Afghanistan and its borders by the Native Surveyor deputed with the Afghan Boundary Rectification Commission. A reconnaissance along the Nepal boundary has supplied a rough basis for a more accurate and detailed survey of the northern frontier when opportunity offers; and interesting additional information regarding Bhutan and Thibet has been obtained from the adventurous travels of native explorers trained and sent thither by the Survey Department. On the whole, the work accomplished during the year in Geographical exploration is satisfactory, and shows that this important and difficult section of the duties of the Department has received a full share of attention.

5. The number of parties devoted to Topographical and Forest Surveys within India was reduced from eight to six, one party having been transferred to Upper Burma for Geographical, and the other to the Central Provinces for Forest Surveys. Belgaum, Dharwar, and Guzerat in Bombay, and Madura and the Native States of Travancore and Cochin in Madras, were the field of operations in the Southern Presidencies. The Party in Madras took over the Topographical programme from the Provincial Survey Department, and by thus relieving the latter of this class of work enabled it to extend the surveys required for purposes of settlement. In Northern India the Military Surveys in Baluchistan on the

$\frac{1}{2}$ inch scale were continued; and a Party in the Punjab operated in Kangra and the Simla Hill States, and provided in the British districts within these tracts a skeleton traverse or frame, which it is intended that the Settlement Department should fill in, for purposes of land assessment in accordance with the system advocated in the eighth and ninth paragraphs of the Survey Resolution of 1882. New Topographical maps were also constructed for a large area in the Punjab by the Traverse party employed in that Province; and a Topographical section, working in conjunction with a Cadastral party, completed the survey of the district of Mirzapur in the North-Western Provinces. The aggregate outturn amounted to 15,673 square miles, forming a substantial addition to the data in course of collection for the new maps which are constantly being required for purposes of general administration.

6. Forest Surveys conducted by the Survey of India Department were carried out in the Central Provinces, Lower Burma, the North-Western Provinces, Orissa, and Bombay. The outturn in the forests of Hoshangabad in the Central Provinces was small, as is usual in initiating operations in a difficult and unhealthy tract. In Burma the absence of disturbances enabled a larger area to be surveyed. In the North-Western Provinces and Orissa the Forest Surveys were performed by parties employed on cadastral work, and in Bombay by the two Topographical parties engaged in the Presidency. Under recent arrangements with the Government of Bombay one of these parties will in future be exclusively employed on the survey of Government Forests, and will compile complete maps on a 4 instead of an 8 inch scale. This change, while admitting of a larger outturn of work, will not affect the value of the maps for the purposes of forest management, for which they are primarily needed.

7. In pursuance of the programme laid down four years ago, the greater part of the available Survey force is now devoted to work designed to combine the requirements of Revenue administration with the demands of Cartography. Under this head may be included the Forest Surveys, already referred to, as well as Cadastral and Traverse Surveys, which occupied thirteen out of twenty-six parties. The diversion of what may be termed unremunerative to remunerative work is indicated by the following table in which the classification of the several parties employed in 1884-85 and 1887-88 is based upon the character of the work upon which they were employed. The first term "necessary" implies that, for military or administrative purposes, the survey is urgently required. The second term "unremunerative" comprises topographical surveys, which can be postponed without great inconvenience to the Administration.

	1884-85.			1887-88.		
	Necessary.	Unremunerative.	Remunerative.	Necessary.	Unremunerative.	Remunerative.
Number of parties...	8	11	7	11	2	13
Total Cost Rs.	(a) 3,02,000	7,15,000	8,66,000	(a) 4,72,000	1,43,000	13,65,000

(a) Exclusive of cost of 4 Scientific Parties (Coast Triangulation, Tidal and Levelling and Astronomical).

Taking Cadastral and Traverse Surveys together, the area covered during the year was upwards of 25,000 square miles. These extensive operations will aid materially in securing the punctual assessment of large tracts of country in which the settlement engagements are about to expire; and the Government of India desires to record its appreciation of the cordiality and zeal with which the Survey Department has lent itself to carrying out the programme, imposed upon it by pressing fiscal and administrative considerations in this important section of its duties.

8. Cadastral Surveys, involving the plotting of interior details, have been restricted to tracts where no village maps and no village officials trained in survey at present exist, or where, owing to the inferior training of the village staff, the existing village maps have become inaccurate and obsolete. Seven parties were thus employed in the Central and North-Western Provinces, Assam, Burma, and Bengal; and the aggregate outturn was 5,435 square miles. The system pursued varied in each case; but in every instance measures are, as far as possible, being taken to train the local and permanent officials to assist in the work and to maintain the maps and records provided by the professional survey.

Owing to the necessity for adapting the plan of operations to the widely differing conditions and circumstances of the tracts in which Cadastral Surveys were prosecuted, no useful conclusion can be drawn from a comparison of cost rates. But efforts have been continuously and systematically directed to reducing the cost to the lowest possible limits; and the average rate, which in 1884-85 was about Rs. 300 per square mile, is now brought down to something like Rs. 150 per square mile.

9. In Traversing, the principal field of operations continued to be the Central Provinces, where five parties were engaged in providing skeleton plots on the 16 inch scale, and completed 14,287 square miles. These plots are intended to furnish a scientific framework and check for the field survey by trained village officials, which follows. The only other Province in which Traversing formed the special work of a Survey party was the Punjab, where one party was employed and furnished skeletons for 5,795 square miles. In this case the object of the survey was to provide correct outlines for new Topographical maps, the details being taken from the village maps compiled by the Land Record establishment, on the accuracy of which the traverse at the same time serves as a check. The average cost of Traverse surveys did not much exceed Rs. 20 per square mile.

10. It remains to notice the good work done by the Head Quarters Offices. Of new maps, 4,062 were published during the year, and heavy demands continued to be made on the Drawing Office for trans-Frontier maps and maps of Upper Burma. The Photographic and Lithographic Offices show the large outturn of 1,203,861 copies issued during the year, which is in some measure due to requisitions for high class illustrations for archaeological and other reports, for the production of which the copying processes perfected in the Photographic Office are admirably adapted. The transactions of the Mathematical Instrument Office also increased; the number of instruments supplied being 57,293, and of those received into store, 70,093.

11. In his concluding remarks in Part I. of the Report, the Surveyor General alludes to the difficulty of providing officers to superintend the various field operations, and the necessity of further recruitment in view of the large number of prospective retirements. These matters are under the separate consideration of the Government of India.

ORDER.—Ordered, that the foregoing Resolution be forwarded to the Surveyor

Madras.
Bombay.
Bengal.
North-Western Prov-
inces and Oudh.

Punjab.
Central Provinces.
Burma.
Assam.
Coorg.

General of India; to the Local Governments and Administrations noted on the margin; and to the Foreign and Military Departments.

Ordered also, that it be published in the Supplement to the *Gazette of India*.

(True Extract.)

E. C. BUCK,

Secretary to the Government of India.

GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

WEATHER SUMMARY FOR JUNE 1889.

General Weather conditions of month.—The chief feature of the month is the gradual advance of the south-west monsoon humid currents from the Arabian Sea and Bay of Bengal over India. As stated in last month's report, partial advances occur in the month of May over portions of Southern India and Tenasserim, but it is usually not until the last week of May or the first week of June that the great advance occurs which finally terminates in the establishment of the monsoon over India. It advances with more or less regularity northwards up the Arabian Sea and the Bay of Bengal, and thence extends over the interior of India. The rate and manner of advance depend very largely upon the pressure and other weather conditions prevailing at the time in India. Excessive temperature usually prevails over the whole of Central and Northern India at the commencement of the month. The advance of the monsoon currents over the interior increases the humidity and gives rise to more or less cloud. Hence temperature falls, and the area of excessive temperature retreats north-westward into Sind, the West Punjab, and North-West Rajputana, where temperature remains permanently high throughout the whole of the monsoon, and the highest maximum temperatures of the year are frequently recorded in that area in June and July, and even in August.

This great change from great heat and dryness to moderate heat, excessive humidity, and frequent rain showers is usually not completed over Northern India until the third or fourth week of June, by which date the monsoon currents have penetrated into the Upper Punjab.

Weather is always more or less squally in front of the advancing monsoon currents up the Arabian Sea and Bay of Bengal; and this squally weather frequently develops into a cyclonic storm which carries the first heavy burst of monsoon rainfall, as it were, with it in its rear.

Again, after the south-west monsoon winds are fully established, there is a marked tendency to the formation of small cyclonic storms in the Bay of Bengal and in Bengal (more especially East Bengal). These small cyclonic storms form one of the more conspicuous features of the rains proper. In June and July they usually advance in a west or west-north-west direction across the head of the Peninsula, and give heavy rain over the area they traverse. As they draw away the rain for the time being from other districts and concentrate it fall over the narrow area they traverse, they are one of the chief causes of the irregular distribution of the monsoon rainfall. This effect is exaggerated by the tendency of these cyclonic storms to follow the same general path during the months of June, July, and August, or during the height of the monsoon.

Cyclonic storms and barometric depressions of the month.—The following are the more important depressions of the month:

(1) *Depression and cyclonic storm in the Arabian Sea of June 1st to 9th.*—This storm was formed in front of the south-west monsoon current as it advanced northwards along the West Coast of India. Heavy rain began to fall on the Malabar Coast on the 30th and 31st, and weather was very squally off that Coast. On the 2nd heavy rain had extended northwards to Ratnagiri, and the wind directions at the West Coast stations indicated that the squally weather in front of the advancing humid current had developed into a cyclonic storm, the centre of which on the morning of the 2nd was to the west-south-west of Goa. Very heavy rain fell along the West Coast on the 3rd, and the centre of

the storm on the morning of the 4th was west of Ratnagiri. The depression at the centre was now considerable, as pressure at Goa and Bombay was a sixth of an inch below the normal. The depression continued to advance slowly northwards and to deepen. On the morning of the 5th the centre was west of Bombay, where the barometer was a quarter of an inch below the normal. The storm now covered the angle between the Kathiawar and Bombay Coasts, and it was blowing a heavy gale on the Konkan Coast. The average wind velocity at Bombay on the 6th was 37 miles per hour and on the 7th 33 miles per hour. The storm either filled up slowly on the 8th off the Kathiawar Coast or recurved to north-west or west. No reports have been received as yet from ships of the weather at this time in the Arabian Sea; but, so far as can be judged from the Kurrachee observations, the storm drifted to the north-west and marched parallel to the Kathiawar and Sind Coasts on the 8th and 9th. It probably filled up as it advanced and broke up in the neighbourhood of the Makran Coast west of Kurrachee on the evening of the 9th. The chief feature of the storm was the very heavy burst of rain which the westerly winds in the south quadrant gave to the West Coast districts. The following gives the total rainfall received during this period at several of the West Coast Ports:

STATIONS.	RAINFALL OF 24 HOURS PRECEDING 8 A.M. OF							Total Rainfall of Week.
	June 1st.	June 2nd.	June 3rd.	June 4th.	June 5th.	June 6th.	June 7th.	
Cochin	3'24	0'83	0'10	2'61	2'79	0'39	3'92	13'88
Calicut	1'47	0'73	1'10	4'43	1'50	3'49	6'62	19'34
Mangalore	0'02	2'76	2'12	5'40	3'40	3'04	4'08	20'82
Karwar . . . . .	...	0'55	3'92	5'10	7'30	5'60	10'15	32'62
Goa . . . . .	...	0'14	1'46	6'00	5'06	5'28	3'22	21'16
Ratnagiri	0'01	2'77	...	0'20	2'56	3'72	0'06	9'32
Bombay . . . . .	...	...	0'05	...	...	0'07	5'80	5'92

(2) *Depression and small cyclonic storm of 9th to 14th of June.*—Weather was unsettled and squally in the south of the Bay at the commencement of the month. A very small depression was in existence off the Coromandel Coast on the morning of the 2nd. It apparently advanced slowly northwards without showing any sign of further development until the morning of the 9th, when it covered the north-west of the Bay, off the Orissa and Ganjam Coasts. The centre was probably east of Gopalpore on the morning of the 9th, and east of False Point on the morning of the 10th. The depression at the centre was very small, and winds were probably only of moderate intensity in the southern quadrant. The centre at 8 A.M. of the 11th was midway between False Point and Saugor Island. It continued to advance northwards, and was between Burdwan and Berhampore on the 12th. It drifted slowly through Central Bengal on that day, and the centre was to the south-west of Dhubri on the 13th. The storm disappeared before morning of the 14th. It was hence throughout a diffused storm of feeble intensity, and was remarkable for its slow progression northwards, at a rate probably never exceeding 5 miles per hour. This storm carried the south-west monsoon current up the Bay, and general rain began to fall in Bengal on and from the 9th. The breaking up of the Arabian Sea storm, which also occurred on that day, was followed by a rapid advance of westerly humid winds and general rain over nearly the whole of Central and Upper India on the 10th and following days. The present storm gave very heavy rain on the Arakan Coast and moderate rain to Bengal. The following are some of the heaviest

falls throughout the storm and illustrate the distribution of the accompanying rainfall:

STATIONS.	RAINFALL OF 24 HOURS PRECEDING 8 A.M. OF,					Total Rainfall of Period.
	June 9th.	June 10th.	June 11th.	June 12th.	June 13th.	
Akyab	2.88	6.05	11.02	4.53	5.60	30.08
Calcutta	0.88	...	0.05	0.05	0.07	1.05
Jessore	1.42	0.16	2.14	0.36	1.25	5.35
Dacca	0.02	3.01	1.38	0.92	1.27	6.60
Burdwan	0.02	0.04	0.02	1.36	0.42	1.86
Berhampore . . . . .	...	0.04	0.15	2.09	0.09	2.37
Dhubri	0.05	0.14	0.07	0.89	1.35	2.50

(3) *Land-formed depression of June 16th to 20th.*—After the dispersion of the previous storm strong south-westerly winds blew across the Bengal Coast, and weather was squally in Bengal. Slight indications were shown on the 15th and 16th of a tendency towards the formation of a depression in East Bengal, and on the 17th there was a small but well marked depression and cyclonic circulation, the centre of which was between Calcutta and Dacca. It marched westwards, and was south of Hazaribagh on the 18th and in Central India, between Sutna and Saugor, on the 19th. Heavy rain fell over the Central Provinces and Berars at this time. The depression at the centre was a sixth of an inch. It began to fill up on the 20th, on which day the storm was advancing between Saugor and Jhansi into Rajputana. It merged into the area of permanent depression in Rajputana and Sind in the evening of the 20th. This storm gave a moderately heavy burst of rain to the whole of Bengal, Behar, Chutia Nagpur, Orissa, the Central Provinces, and Central India.

(4) *Depression and small cyclonic storm of June 24th to 30th.*—The first indications of the formation of this storm were shown on the morning of the 24th. It originated in the north-west angle of the Bay. The centre was between False Point and Saugor Island on the morning of the 26th, and the depression at the centre probably exceeded two-tenths of an inch. It advanced westwards across the North Orissa Coast in the afternoon and passed between Sambulpur and Hazaribagh on the 27th. It was in Central India (probably between Saugor and Jhansi) on the morning of the 28th. Heavy rain was received at this time in the northern and western districts of the Central Provinces and Berars. The storm continued to advance to the west-north-west and was a little to the south of Jeypore on the morning of the 29th, at which time the depression was an eighth of an inch. It merged into the area of permanent low pressure in Upper India on the 30th. It gave general rain to the whole of Bengal, Orissa, Behar, Chutia Nagpur, the Central Provinces, Berars, Central India, and South-East Rajputana.

Pressure.—The chief barometric movements during the month occurred in connection with the cyclonic storms described above. Although they were large in amount, the mean pressure of the month for the whole of India was almost identical with the normal mean—being only .005" in excess. The following table gives the pressure anomalies or the variations of the mean pressure from the general variation (.005") for each of the larger Provinces and the corresponding anomalies of May for comparison:

Province.	BAROMETRIC ANOMALIES OR PRESSURE VARIATIONS.	
	Month of May.	Month of June.
Burmah	—'002	+ '011
Bengal	—'019	+ '008
Assam	—'024	+ '019
Behar and Chutia Nagpur	—'027	+ '006
North-West Provinces	—'009	+ '003
Punjab	+ '024	—'016
Sind and Rajputana	+ '014	—'013
Central India	+ '015	—'001
Central Provinces	+ '006	—'004
Bombay	—'006	—'001
Madras	—'004	—'002

Hence, as frequently happens, the first effect of the establishment of the south-west monsoon in 1889 has been not only to diminish the amounts of the barometric anomalies but also to reverse their character over the greater part of India. The abnormals over the whole of North-East India for the month of June were positive and over the whole of Western and North-Western India they were negative, and were in all cases, except Bombay and Madras, opposite in character to those of the preceding month. They were, however, small in amount for all stations, except the following :

Dera Ismail Khan	—'030 inch.
Mooltan	—'028 ..
Jacohabad	—'027" ..
Sibsagar	+ '028 ..

whence approximately normal average pressure conditions obtained during the month, and the abnormals indicate the continuance of steady and strong south-west monsoon currents, more especially from the Arabian Sea.

Storms.—The large cyclonic storms of the month have been described above. The following local storms were reported during the month:—A tornado at Mymensingh on the morning of the 4th June, which caused some loss of life and property; severe duststorms at Nagpur and Hoshangabad on the afternoon of the 5th, and violent duststorms on the 9th at Allahabad, Surma, and Lucknow in the North-West Provinces, and at Krishnagarh in Bengal. No severe local storms have been reported since the 10th, by which date humid monsoon winds extended over nearly the whole of the country.

Temperature.—The temperature conditions of the month were mainly determined by the rainfall distribution. At the commencement of the month temperature was excessive over the whole of India. The greatest excess of temperature at this time occurred in the area defined by the stations of Ajmere, Agra, Jhansi, Delhi, Jubbulpore, Saugor, and Hoshangabad. The 2nd was a

particularly hot day. The following gives the temperature variations of that day for these stations :

Stations.	Variation of Maximum temperature from normal of day.	Variation of Minimum temperature from normal of day.	Variation of Mean temperature from normal of day.
Ajmere	+10.1	+10.3	+10.2
Agra	+10.5	+10.7	+10.6
Jhansi	+10.2	+11.3	+10.8
Delhi	+11.1	+11.6	+11.4
Jubbulpore	+11.6	+ 9.9	+10.8
Saugor	+10.4	+ 9.3	+ 9.9
Hoshangabad	+10.2	+ 5.3	+ 7.8

With the advance of the monsoon currents up the Arabian Sea and Bay of Bengal temperature diminished generally, and the area of greatest excess of temperature was transferred northwards to the Punjab.

The following gives the highest temperatures at stations in the Punjab on the 8th, which was one of the hottest days of the month in the Punjab :

Stations.	Variation of maximum temperature from normal of day.	Variation of Minimum temperature from normal of day.	Variation of Mean temperature from normal of day.
Sirsa	+ 2.7	+10.4	+ 6.6
Delhi	+ 7.9	+13.0	+10.5
Ludhiana	+10.2	+ 9.6	+ 9.9
Lahore	+10.2	+ 5.9	+ 8.1
Sialkot	+11.1	+ 9.4	+10.3
Rawalpindi	+12.2	+ 4.9	+ 8.6
Peshawar	+11.0	+ 5.3	+ 8.2

A rapid advance of humid monsoon winds commenced on the 9th and increased humidity and diminished temperature very rapidly over the whole country. The reduction of temperature was mainly due to the rapid spread of cloud over Upper India and the occurrence of general rain in all districts, except Sind, the West Punjab, and West Rajputana.

The following table, which gives the temperature variations at several stations in Upper India on the 10th, furnishes remarkable examples of the very large reduction of temperature effected by rainfall at the commencement of the south-west monsoon :

Stations.	Variation of Maximum temperature from normal of day.	Variation of Minimum temperature from normal of day.	Variation of Mean temperature from normal of day.
Sambhar	—11'4	—13'0	—12'2
Jeypore	—11'7	—12'9	—12'3
Barcilly	—14'6	— 7'3	—11'0
Meerut	—18'2	— 8'7	—13'5
Roorkee	—20'1	— 7'6	—13'9
Delhi	—16'2	— 7'6	—11'9
Ludhiana	—23'5	— 5'0	—14'3
Sirsa	—30'3	—12'9	—21'6
Lahore	—13'5	— 6'8	—10'2
Sialkot	—15'1	— 5'7	—10'4

During the remainder of the month the variations of temperature in Upper and Central India depended almost entirely upon the occurrence or non-occurrence of continued rainfall. They were similar in character to those just described, but much smaller in amount. The following give a summary of the temperature data for the month, and shows the general character of the variation of temperature from week to week in different parts of the Empire :

Meteorological Area.	VARIATION OF MEAN TEMPERATURE FROM NORMAL FOR THE WEEK ENDING					Variation of Mean temperature of month from normal.
	June 3rd.	June 10th.	June 17th.	June 24th.	June 31st.	
Burmah	+ 3'6	+ 3'4	+ 0'1	+ 0'7	0	+ 1'4
Bengal	+ 3'3	+ 1'0	— 1'3	— 0'2	— 1'3	+ 0'4
North-Western Provinces	+ 2'8	+ 3'9	— 0'8	— 3'0	— 2'5	— 1'2
Punjab	+ 2'0	+ 5'1	— 3'7	+ 4'0	+ 0'6	+ 2'2
Sind and Rajputana	+ 3'7	+ 3'9	— 2'3	+ 0'2	— 1'4	+ 0'7
Guzerat and Central India	+ 5'0	+ 3'1	— 3'3	— 2'0	— 1'1	+ 0'1
Berar and Central Provinces	+ 4'0	+ 4'4	— 2'0	— 4'5	+ 0'5	+ 0'7
Bombay	+ 2'0	— 0'3	+ 0'2	+ 0'7	— 0'3	+ 0'2
Madras	+ 1'2	+ 1'2	+ 0'5	+ 0'7	— 0'1	+ 0'9

Rain.—The south-west monsoon current advanced along the West Coast as far as Broach in the first week of the month and gave very heavy rain to the West Coast districts. It began to extend into the interior after the breaking up of the cyclonic storm in the Arabian Sea on the 9th and blew very steadily throughout the remainder of the month.

The Bay of Bengal current was not so strong as the Bombay current. A small diffused storm formed in the Bay during the first week of the month and

drifted very slowly northwards. It crossed the Orissa Coast on the 11th and began to give general rain to Bengal from the 10th. The unusual strength of the Bombay monsoon current at this time was shown by its rapid extension across Central India into the North-West Provinces and East Punjab on the 9th and 10th. General rain over nearly the whole of Northern India due to the advance of both currents hence dates from the 10th June. The distribution of rainfall during the remainder of the month was largely determined by the course of the three small cyclonic storms described above.

Two of the three small cyclonic storms of the month advanced in a general westerly direction across the head of the Peninsula. The indraught to them from the Bay of Bengal gave general and nearly continuous rain during the latter half of the month to Bengal, Behar, the North-Western Provinces, and Central India. The strong indraught to the same storms during the latter part of their existence from the Arabian Sea gave heavy rain to the Central Provinces, the Bombay Coast districts, and North Deccan.

In consequence of these conditions, the Punjab received slightly less than its normal amount, whilst the strong westerly or west-south-westerly deflection of the Bombay current, determined by the advance of the last two cyclonic storms, caused the rainfall of Khandeish, Guzerat, and Kathiawar and part of Berar to be considerably below the average. The deficiency in these districts varies within wide limits and averages forty-five per cent. There was also a slight deficiency in Hyderabad and Mysore and a moderately large deficiency in the Carnatic, due chiefly to the more rapid advance than usual of the monsoon currents and their early establishment over Northern India.

In all other districts the rainfall of the month was more or less above the average and was in some districts excessive. Assam received an average of 12 inches more than its normal amount; Malabar, 11 inches; Behar, Orissa, the Circars, and Lower Burmah, $6\frac{1}{2}$ inches; the Konkan, $5\frac{1}{2}$ inches; Lower Bengal and the greater part of the North-Western Provinces (*i.e.*, to the north of the Gauges), $3\frac{1}{2}$ inches, and North Bengal, Rajputana, and Central India, 2 inches in excess.

One very noticeable feature of the present monsoon has been the favourable rainfall in certain districts, including Ganjam, North Behar, the Central Provinces, Khandeish, and Guzerat, where it was more or less deficient during the whole of last season. Thus Ganjam, North Behar, and the Central Provinces received normal or abundant rainfall during the month of June. The rainfall of June was, on the other hand, very much below the average in Khandeish and Guzerat, but heavy rain has fallen during the present month (July) in these districts also.

The large rainfall of the month was mainly due to the earlier advance of the south-west monsoon into the interior of the country and the prevalence of strongly marked monsoon conditions during the last three weeks of the month.

The following example of heavy rainfall during this month appears to deserve record:—Kumpta in North Kanara received 39 inches during the week ending 10th June, and the average fall of the whole district for the same period was 34 inches. Very heavy rain was received in Burmah during the following week, when Akyab received 36 inches, Sandoway 31 inches, Tavoy 26 inches, and Bassein 19 inches. As a rule very heavy rainfalls have been quite the exception, which is in accordance with the general rule that a strong monsoon gives well distributed and continuous moderate to heavy rain, and a weak monsoon tends to give excessive local falls and very irregularly distributed rain.

The following table gives complete data and shows the actual average rainfall and the normal rainfall of the month of the twenty-one districts into which

the country is divided, so far as it is indicated by the telegraphic reports of a few stations in each district :

Districts.	Number of Stations.	Normal Average Rainfall in June.	Actual Average Rainfall in June, 1889.	Difference from the Average in June, 1889.
Punjab, West	7	1'60	0'91	— 0'69
" East	4	3'83	3'34	— 0'49
North-Western Provinces, Trans-Gangetic .	7	5'40	9'00	+ 3'60
" " Cis-Gangetic	3	3'88	3'52	— 0'36
Behar	2	6'66	13'17	+ 6'51
North Bengal	3	15'27	17'14	+ 1'87
Assam—Cachar	3	20'03	32'02	+ 11'99
Lower Bengal and Chutia Nagpur	8	11'17	14'77	+ 3'60
Orissa—North Circars	5	6'39	12'94	+ 6'55
Central Provinces, South	7	9'72	8'94	— 0'78
Berar—Khandeish	2	6'77	4'70	— 2'07
Rajputana, Central India, Saugor, and Nerbudda .	9	4'33	6'39	+ 2'06
Sind—Cutch	3	0'09	0'18	+ 0'09
Guzerat	3	4'96	3'26	— 1'70
Konkan	4	21'56	27'24	+ 5'68
Deccan—Hyderabad	5	5'12	4'90	— 0'22
Malabar	5	33'40	44'56	+ 11'16
Mysore—Bellary	4	2'80	2'42	— 0'38
Carnatic	6	2'03	0'52	— 1'51
Lower Burmah	7	23'32	29'71	+ 6'39
Ceylon	1	8'03	3'12	— 4'91

JOHN ELIOT,

*Meteorological Reporter to the
Government of India.*

SIMLA, 18th July, 1889.

E. C. BUCK,

Secretary to the Government of India.

GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

**Weather Review of India for the week ending at 8 a.m. on
Monday, July 22nd, 1889.**

The principal feature in the weather of this week has been the storm, the commencement of which was noticed in the last Summary, which was formed over the Bay and after a period of little or no movement off the Orissa Coast subsequently travelled north-north-westward into Behar. This storm was at no time very deep, the greatest barometric variations from the normal being—'241" at False Point on the morning of the 19th, and—'238" at Saugor Island on the morning of the 20th. Owing, however, to a brisk barometric rise which occurred to the south of the storm, just before the centre crossed the Coast, the gradients on the southern quadrants were steep, and strong winds and gales were experienced over the Bay and at the Sandheads. The storm filled up quickly as soon as the centre passed inland, but not without giving very unsettled weather and heavy rain to parts of Bengal and the North-Western Provinces. In those parts of the country unaffected by the storm normal monsoon weather prevailed, though on the North Konkan Coast, accompanying local pressure irregularities, the current was largely above its normal monsoon strength.

The chart of the 16th showed the ordinary high pressure area in the extreme south and low pressure area over the Punjab. Imposed on this distribution there was a well-defined storm area overlying the north-west of the Bay, Orissa, the Circars, and the east of the Central Provinces. The centre, or centres (for this part of the storm was probably less clearly defined than would appear from the chart) of the disturbance lay off the Orissa Coast, the lowest barometer being 29'388" at False Point. The wind circulated cyclonically around the storm area, though without much force, but in other parts of India the normal monsoon directions prevailed. On the 17th the storm occupied approximately the same position, but the barometer had fallen briskly in its neighbourhood, and the lowest reading reported was 29'329" at False Point. On the North Konkan Coast the wind had "backed" to south-south-east and increased in force apparently in connection with some small local irregularity lying off that Coast. Elsewhere there was no important change. On the 18th the barometer was rising over the head of the Bay, and the storm had lost in definition, while the lowest reading was 29'356" at False Point. The winds were still very variable about the North Konkan and Kattiawar, the direction at Rajkot being north-north-west, at Surat south-east, and at Bombay west. At the last station the force had again risen. The chart of the 19th showed that pressure had increased briskly over the Peninsula, but had decreased over the whole of Northern India, including the head of the Bay. The storm over the Bay had again developed, and the lowest pressures were shown over the north-west angle of the Bay, apparently midway between the stations of False Point, Saugor Island, and Balasore. There was still very little strength in the wind even close to the storm centre. On the West Coast the direction of the wind had become normal throughout, but the force had risen and a strong breeze was blowing at Bombay. Early in the morning of the 20th the storm crossed the Bengal Coast between

Balasore and Saugor Island, travelling on a north-north-west course. The lowest barometer reading reported was 29'300" at Saugor Island. Squally and rather strong cyclonic winds prevailed over Lower Bengal and gales over the Bay. On the West Coast the winds remained westerly, but a slight gale was blowing at Bombay. By 8 A.M. on the 21st the storm had reached the neighbourhood of Benares. The barometer was rising, except in the immediate vicinity of the storm centre, and the storm was apparently filling up. Normal monsoon conditions prevailed over the greater part of India, and the force of the wind at Bombay had fallen. On the 22nd the chart showed that the storm had still further filled up without moving its position and that elsewhere normal conditions continued.

Temperature.—Variations from the mean have been rather large—more especially in the Punjab and Bombay, where there was a decided excess of heat about the beginning and a deficiency about the close of the week. In Burma, Bengal, the North-Western Provinces, Sind, and Rajputana the weather throughout the whole week was warmer than usual; but in the Punjab, Bombay, the Central Provinces, Central India, and Guzerat the mean temperature at the close of the week fell below the normal. In the Punjab the mean excess was 5'4° on the 16th and the mean defect 3'6° on the 20th, giving a range of 9° for the week. In Madras, with the exception of a trifling excess on the 19th, the average mean temperature was low throughout. Rather high maxima have been experienced over the Punjab and Sind, more particularly during the earlier days of the week. The highest reading recorded was 114'2° on the 19th at Jacobabad.

The following table shows the excess or defect of the mean average temperatures of the different Provinces for the present and for the preceding week :

PROVINCES.	Difference of Mean Temperature of Last Week from Normal.	Difference of Mean Temperature of Present Week from Normal.
Burmah	+ 2'9°	+ 1'6°
Bengal	+ 1'5°	+ 2'1°
North-Western Provinces	— 0'2°	+ 1'8°
Punjab	— 3'6°	+ 0'7°
Bombay	+ 0'1°	— 0'1°
Central Provinces and Berar	+ 2'1°	+ 1'5°
Guzerat and Central India	+ 0'6°	+ 2'3°
Sind, and Rajputana	+ 1'7°	+ 3'4°
Madras	— 0'4°	— 0'6°

From this table it will be seen that the weather over Northern and North-Western India, including Guzerat and Central India, has, relatively to the average, been warmer than during the previous week, and that elsewhere there has been very little change.

Rain.—The principal features of the rainfall of the past week are the steady, constant rainfall over the Peninsula, the Central parts of the country, Burma, and Lower Bengal; the heavy local rain in Behar and the east of the North-Western Provinces in connection with the breaking up of the storm; and the slight, local, and scattered rainfall in Upper India.

The following is a brief description of the daily distribution of rain:—On the 16th rain was general over the Peninsula, the Central parts of the country,

Orissa, East Bengal, and Burma, but over the whole of Northern India from Behar to the Indus the only rainfall was a few local showers. The heaviest rain was on the West Coast. The rain reported on the 17th was distributed in the same manner as that on the 16th, except that there was a little more over Northern India. On the 18th the only difference was the increasing heaviness of the showers in some parts of Northern India. The chart of the 19th still showed the same distribution, but on the 20th, when the storm crossed the Coast, rain became more general over Northern India, and on the 21st and 22nd there was a heavy burst of rain over Bengal and the North-Western Provinces. The Punjab has been visited by showers only throughout the week.

The table at the close of this Summary shows that at twenty-two out of the fifty-two divisions there has been an excess of rain during the week and that at twenty-eight there has been a deficiency. The excess has been most marked over Guzerat and Kattiawar, but has been fairly large over the greater part of the Peninsula, in the central districts, and in Orissa and Tenasserim. The deficiency has been greatest over Upper India.

Tenasserim, as mentioned above, has a considerable excess, but all the other divisions of Burma and all divisions in Bengal and Assam, except the Surma and Orissa divisions, have had less rain than the normal. Oudh had a slight excess of rain, but the North-Western Provinces and the whole of the Punjab exhibit a deficiency. The greatest defect is in the hill districts. The Peninsula, Malabar and Mysore show slightly deficient rains, but all the other western districts, *viz.*, Madras (South Central), Coorg, the Konkan, the Bombay Deccan, Khandeish, Guzerat, and Kattiawar received excessive rains. The Central Provinces and Berar shared in this excess, but in Central India and Rajputana the amount of rain varied considerably. On the East Coast also the variations were irregular and small, some divisions reporting a slight excess, while neighbouring divisions reported a deficiency.

The maxima in Burma were in general moderate, but Tavoy received 23 inches and one station in Amherst 21 $\frac{3}{4}$ inches within the week. Cherapunji received 14 $\frac{1}{4}$ inches and Kurseong 14 $\frac{3}{4}$ inches, these being the largest amounts in Bengal and Assam. In the North-Western Provinces the maximum falls varied considerably. They were generally small in the plains districts and rather large in the submontane district. In the Punjab there were no falls of any importance.

On the West Coast several large falls occurred. One station in Calicut recorded 21 $\frac{1}{2}$ inches, one in Ratnagiri 25 inches, and one in Colaba 20 inches. In the Bombay Deccan the station of Banda in the Kolhapur district received 33 inches. Large amounts were also reported from several central stations and from Guzerat. In Madras the amounts were everywhere small.

The concluding column of the table shows, that the seasonal rains have been deficient over Burma and Eastern Bengal, that from Central Bengal westward as far as Oudh there has been an excess, and that from Oudh westward to the Indus the amount of rain received relatively to the average is very variable. Most of the Peninsula districts, except Mysore, are about or over the average. The Central Provinces show very little departure from the normal, and Guzerat and Kattiawar show an excess.

PROVINCE.	DIVISION.	RAINFALL DATA FOR WEEK ENDING JULY 22ND, 1889.			RAINFALL DATA FROM MAY 13TH TO JULY 22ND, 1889.		
		Average Actual Rainfall of Division.	Average Nor- mal Rainfall of Division.	Excess or Defect, in Inches.	Average Actual Rainfall of Season to date.	Average Nor- mal Rainfall, May 13th to July 22nd.	Excess or De- fect of (Season- al) Rainfall expressed as a per- centage.
		Inches.	Inches.	Inches.	Inches.	Inches.	Per cent.
BURMAH	Tenasserim	20'27	11'70	+ 8'57	82'27	85'73	- 4
	Lower Burmah	3'00	5'30	- 1'61	31'66	42'73	- 26
	Central Burmah	2'97	3'86	- 0'89	23'05	33'72	- 32
	Upper Burmah	1'28	?	?	21'63	?	?
	Arakan	9'45	10'88	- 1'43	80'49	97'47	- 17
BENGAL AND ASSAM	Eastern Bengal	2'57	3'96	- 1'39	32'10	38'00	- 16
	Assam (Surma)	4'93	4'32	+ 0'61	59'16	47'90	+ 24
	Do. (Brahmaputra)	2'06	3'53	- 0'87	40'28	42'73	- 6
	Deltaic Bengal	2'16	2'45	- 0'29	21'83	21'85	0
	Central Bengal	1'87	2'42	- 0'55	25'03	21'36	+ 17
	North Bengal	3'17	4'30	- 1'13	48'90	45'95	+ 7
	Orissa	5'07	2'73	+ 2'94	20'51	19'83	+ 3
	Chota Nagpur	2'48	3'00	- 0'52	20'42	18'36	+ 11
	Behar (South)	0'83	2'31	- 1'48	16'27	14'77	+ 10
	Do. (North)	1'30	2'42	- 1'12	21'84	18'71	+ 17
NORTH - WESTERN PROVINCES AND PUDDH.	North - Western Provinces (East).	1'82	2'35	- 0'53	15'42	12'62	+ 22
	Oudh (South)	3'13	2'25	+ 0'88	16'34	12'55	+ 30
	Do. (North)	2'48	2'24	+ 0'24	14'93	14'93	0
	North - Western Provinces (Central).	2'04	2'24	- 0'20	11'44	10'01	+ 14
	North - Western Provinces (West).	1'08	2'44	- 1'36	8'85	10'10	- 12
	North - Western Provinces (Submontane).	1'76	2'86	- 1'10	19'32	16'15	+ 20
PUNJAB	Punjab (South)	0'81	1'14	- 0'33	5'82	5'65	+ 3
	Do. (Central)	1'53	1'70	- 0'17	7'20	9'43	- 23
	Do. (Submontane)	1'01	1'91	- 0'39	10'02	10'33	- 3
	Do. (Hill Districts)	1'77	0'87	+ 0'90	30'23	31'59	- 4
	Do. (North-West)	0'95	1'61	- 0'66	7'70	7'33	+ 6
	Do. (West)	0'45	0'57	- 0'12	3'25	2'83	+ 15
BOMBAY AND MALA- BAR COAST DIS- TRICTS (MADRAS).	Malabar	5'28	0'22	+ 0'04	60'95	65'14	- 6
	Madras (South Central)	2'50	0'73	+ 1'77	13'14	0'61	+ 99
	Coorg	11'25	8'40	+ 2'85	48'85	41'68	+ 9
	Mysore	0'12	0'75	- 0'63	5'13	8'52	- 40
	Konkan	15'53	8'34	+ 7'19	79'30	54'75	+ 45
	Bombay Deccan	3'38	2'49	+ 0'89	12'51	13'74	- 8
	Hyderabad (North) . . . . .	...	...	...	...	...	...
CENTRAL PROVINCES AND BERAR.	Khandeish	3'31	1'16	+ 2'15	8'44	10'37	- 19
	Berar	5'37	2'22	+ 3'15	16'05	14'60	+ 9
	Central Provinces (West)	5'04	2'01	+ 2'70	10'07	17'06	- 1
	Ditto (Central)	5'14	4'28	+ 0'86	24'77	21'74	0
BOMBAY (NORTH)	Ditto (East)	5'42	4'04	+ 0'78	20'53	21'90	- 7
	Guzerat	0'26	2'80	+ 3'37	20'48	10'63	+ 23
	Kathiawar	0'18	2'22	+ 3'06	19'31	12'81	+ 51
RAJPUTANA AND CEN- TRAL INDIA.	Sind	0'01	0'77	- 0'76	0'72	1'52	- 53
	Central India (East)	2'93	3'10	- 0'17	14'47	14'41	0
	Rajputana (East), Central India (West).	2'57	2'24	+ 0'33	11'05	9'89	+ 18
	Rajputana (West)	0'24	1'16	- 0'92	4'10	4'46	- 8
MADRAS	East Coast (North)	2'46	1'55	+ 0'91	13'84	11'33	+ 22
	East Coast (North) (a)	5'00	5'51	+ 0'09	9'14	9'45	- 3
	Hyderabad (South)	1'92	1'33	+ 0'59	8'06	8'70	- 7
	Madras (Central)	0'53	0'80	- 0'31	7'82	6'40	+ 22
	East Coast (Central)	1'08	0'82	+ 0'26	7'58	6'81	+ 11
	Ditto (South)	0'05	0'59	- 0'54	5'16	5'01	+ 3
	Madras (South)	0'10	0'12	+ 0'04	2'32	3'00	- 23

W. L. DALLAS,

SIMLA, 25th July, 1889.

Assistant Meteorological Reporter to the
Government of India.

E. C. BUCK,

Secretary to the Government of India.

GOVERNMENT OF INDIA.

REVENUE AND AGRICULTURAL DEPARTMENT.

Weekly Report on the State of the Season and Prospects of the Crops.

Madras.—*For week ending 20th July.*—Rainfall general; good in most districts, slight in South Arcot, Trichinopoly, Madura, Coimbatore, and Salem. Agricultural operations retarded in Chicacole in Ganjam by excessive rain. Crops generally good, but withering in parts of Salem and Coimbatore; suffering from want of rain in parts of North Arcot, Trichinopoly, and Tinnevely; damaged by excessive moisture in parts of Vizagapatam; affected by insects or disease in parts of Ganjam, Bellary, Coimbatore, and South Canara. Water-supply insufficient in Chingleput and Salem. Stock suffering badly from rinderpest in Anantapur. Prices rising in ten districts, falling in six, and stationary in others. Cholera abating in the three northern districts, but still bad in Ganjam and Vizagapatam. Labourers employed on last day of week,—Gopalpur Canal, 1,473; Ghat Roads, 530; drinking-water tanks and wells, 3,369; minor irrigation and other works, 1,850. Number on Rushikulya and some roads not reported. Number on village relief during week ending 13th July, 49,431; fed in kitchens, 9,034. Imports during week by sea and land, 380 tons. General prospects favourable and greatly improved in Ganjam.

Bombay.—*For week ending 24th July.*—Rain general and sufficient, except in two talukas of Khandesh, where the crops are consequently unhealthy, and in parts of Nasik and Belgaum, where sowing is retarded. Rain deficient also in parts of Dharwar. In two talukas of Surat sowing is retarded owing to incessant rain. Young *bajri* crop doing well in Ahmedabad district, except in taluka Sanand, where it is slightly damaged by caterpillars; young crops also damaged by caterpillars in four talukas of Kaira. Transplantation progressing in Surat, Thana, Ratnagiri, Kanara, Shikarpur, and Baroda; commenced in two talukas of Ahmedabad, and nearly completed in Colaba. Fodder scarce in parts of Nasik, Ahmednagar, Dharwar, and Karachi. Water scarce in parts of Dharwar. Prices rising in one taluka of Nasik.

Bengal.—*For week ending 23rd July.*—The break in the rains lasted in many districts up to the middle of the week, but since the 20th, ordinary monsoon weather has set in and the rainfall has become general. The rain has been very beneficial to the transplanting of the winter rice seedlings now in progress. All over the Province early rice, jute, and sugarcane are doing well. In Rungpore, Bogra, and Pubna some early rice and jute have been destroyed by excessive rain and floods. In Behar the prospects of the *bhadoi* crops are promising. Indigo manufacture everywhere proceeding well. Prices of rice steady and high throughout the Province. Of the affected districts, in the Patna division Chumparun and Motihari report 11 seers per rupee, Durbhanga and Madhoobani 10 seers, and Muzaffarpur and Sitamarhi $7\frac{1}{2}$ to $10\frac{1}{2}$ seers. In Durbhanga the average attendance on relief works has been 5,673 during the week.

North-Western Provinces and Oudh.—*For week ending 24th July.*—A short break in the monsoon has been followed by fair general rain, and *kharif* prospects are favourable. Markets are well supplied, and prices are stationary.

Punjab.—*For week ending 24th July.*—Rainfall general throughout the Province. Prices rising in Rawalpindi; falling in Shahpur; unsettled in Peshawar; stationary elsewhere. Ploughings for and sowings of *kharif* crops still in progress. Rain is reported to be still insufficient in Sialkote. Prospects of standing crops good. Crops on the Jhelum in the Shahpur district slightly injured by river inundations. Cotton crops are under water in parts of

Dera Ismail Khan owing to heavy flood in the Indus. Stock cattle are reported healthy. Fodder sufficient, except in Sirsa in district Hissar.

Central Provinces.—*For week ending 24th July.*—Rain general. Crops thriving, but more rain is required for rice in Nagpur and parts of Jubbulpore and Bilaspur. Rice sowings were delayed in Sambalpur, but good showers have now fallen, and prospects are improved.

Burma.—*For week ending 20th July.*—The rainfall in Lower Burma, with the exception of Thongwa, has been very light, taking the total inches to date as compared with 1888. Rain is badly wanted in North Tharrawaddy, and the want is felt in Thayetmyo and Toungoo. In Rangoon 29·78 inches have fallen since the commencement of the year against 54·46 in 1888. In Upper Burma the total rainfall since the commencement of the year has been in excess of the fall in 1888 in most districts, but in Shwebo the want of rain is felt, also in Yeu and Meiktila. In Lower Burma the price of paddy has fallen in Mergui, but in other districts the prices remain more or less stationary. In Upper Burma there is a slight rise in prices in Upper Chindwin and Pyinmana, and a fall in Lower Chindwin. The food-supply is sufficient.

Assam.—*For week ending 24th July.*—Weather sunny, with heavy showers. Harvesting of early and transplanting of winter rice continue. Tea doing well. Prospects of crops in general good.

Mysore and Coorg.—*For week ending 24th July.*—Rainfall good in the Shimoga and Kadur districts of Mysore and scanty in other parts. Standing crops good. Outturn of crops harvested fair. Prices slightly risen in the Bangalore district.

Good rain in Coorg. Transplanting of paddy in progress. Crops in good condition.

Berar and Hyderabad.—*For week ending 24th July.*—Average rainfall good in Berar. Sowing of *jowari* and *tūr* completed. Weeding operations continue. Cotton plants in good condition. Fodder and water sufficient. Prices stationary. Agricultural stock in good condition.

Good rain in Hyderabad during the week. Sowing of *abi* and *khariif* crops still continues in some talukas and weeding commenced in others. Water in tanks insufficient. Scarcity of fodder felt in one taluka only. Prices stationary.

Central India.—*For week ending 24th July.*—Good rain throughout Central India during the week. Prospects good. Prices falling in Western Malwa and Alirajpur and Jhabua in Bhopawar Agency.

Rajputana.—*For week ending 24th July.*—Heavy rain in Kherwara and Shahpura; slight in Marwar, and moderate elsewhere. Agricultural operations and standing crops satisfactory. Agricultural stock good. Pasturage or fodder sufficient. Prices falling in Meywar, Harowti, and Dholepore; steady elsewhere.

Nepal.—*For week ending 18th July.*—Good rain. Weather fair. Prospects good.

E. C. BUCK,
Secretary to the Government of India.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
RAILWAY TRAFFIC.

No. XIII. OF 1889-90.

APPROXIMATE STATEMENT OF GROSS RECEIPTS AND EXPENSES OF INDIAN RAILWAYS.

N.B.—As regards the figures in column *Total Receipts from 1st April to date*, audited figures have been used as far as possible.

Latest Return received.	RAILWAYS.	WEEK ENDING 30TH JUNE, 1888.		WEEK ENDING 29TH JUNE, 1889.		TOTAL RECEIPTS FROM 1ST APRIL TO 30TH JUNE, 1888.		TOTAL RECEIPTS FROM 1ST APRIL TO 20TH JUNE, 1889.		Total increase in 1889-90.	d in	
		Total mean length open.	Receipts.		Total mean length open.	Receipts.		Total.	Per mile open per week.			
			Total.	Per mile open.		Total.	Per mile open.		Total.			Per mile open per week.
	<i>State Lines worked by Companies.</i>		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
13 days of July, 1889	East Indian	1,514	5,80,133	383	1,514	7,05,724	526	1,10,08,811	605	1,10,22,519	613	13,688
Ditto ditto	Patna-Gya	57	9,470	100	57	7,058	124	6,13,253	153	6,02,174	153	...
Ditto ditto	Dildarnagar-Ghazipur	12	702	64	12	840	70	1,3,572	107	1,3,380	87	...
Ditto ditto	Sindia	75	7,775	104	(a)	(a)		1,00,804	110	(a)	...	...
1 July, 1889	Rajputana-Malwa	1,664	4,85,503	202	1,664	3,89,000	233	52,77,073	244	50,22,072	277	6,44,000
6 days of July, 1889	Bengal-Nagpur (b)	180	43,335	233	(c)	27,805	90	5,08,233	214	(c) 6,00,004	100	61,401
Ditto ditto	Southern Maratha (d)	850	77,510	91	857	70,740	83	10,55,134	99	11,73,441	106	1,18,307
Ditto ditto	Do. Mysore Section	140	12,103	87	214	13,000	64	1,30,648	75	1,87,045	67	51,207
Ditto ditto	Indian Midland	130	19,088	140	(e)	44,251	100	2,23,615	120	(e) 8,22,608	104	5,99,073
Ditto ditto	Vilupuram-Dhar m a - veram (Nellore Branch)	83	15,641	188	83	4,861	50	68,531	63	1,04,800	61	...
8 days of June, 1889	Bareilly-Pilibhit	30	1,031	45	30	1,752	40	2,1,048	40	28,350	61	6,702
	TOTAL	4,753	12,53,113	264	5,421	13,54,790	430	1,04,07,272	315	2,08,57,000	301	14,01,707
	<i>State Lines worked by Government.</i>											
July, 1889	North Western (f)	2,411	5,44,540	225	2,580	4,60,000	107	62,62,856	200	60,28,722	220	6,68,860
6 days of July, 1889	Oudh and Rohilkhand	893	1,38,078	243	...	1,35,033	228	21,12,031	230	20,01,248	254	1,48,307
8 days of June, 1889	Bengal Central	145	14,151	106	125	12,758	102	1,13,802	100	1,81,146	113	6,634
6 days of July, 1889	Wardha Coal	45	10,350	303	45	6,014	134	1,09,010	337	2,13,258	377	21,348
8 days of June, 1889	Eastern Bengal Railways	673	1,85,636	276	673	1,45,644	210	1,655,471	223	21,07,703	244	1,52,232
Ditto ditto	Nalhati	27	2,044	75	27	2,085	77	20,428	78	23,784	95	...
13 days of July, 1889	Tirhoot	230	39,813	119	273	31,310	115	4,07,039	148	5,10,321	145	12,082
6 days of July, 1889	Lucknow-Sitapur	...	...	...	...	...	...	...	...	...	...	...
1 day of June, 1889	Shirmau	105	6,051	58	105	6,448	61	75,107	58	95,484	71	20,317
June, 1889	Jorhat	25	858	31	...	712	31	1,35,557	42	1,43,304	30	807
8 days of June, 1889	Cherra-Companyganj	7	102	14	7	234	31	1,140	12	1,230	13	...
	Burma	392	5,0,034	144	553	88,303	100	8,31,173	171	12,80,441	170	4,23,000
	TOTAL	4,762	10,24,177	215	4,011	9,20,535	187	1,21,35,310	107	1,35,08,040	210	14,03,154
	<i>Lines worked by Guaranteed Companies.</i>											
6 days of July, 1889	Madras	840	2,13,759	253	840	2,02,360	241	21,55,053	197	23,88,852	221	2,33,790
Ditto ditto	South Indian	654	1,31,383	201	654	1,04,074	159	14,40,871	171	15,11,732	180	6,131
Ditto ditto	Great Indian Peninsula	1,497	(g) 6,74,211	451	1,440	(h) 4,38,305	304	13,74,082	703	1,04,80,940	500	...
July, 1889	Bombay, Baroda and Central India (i)	461	2,70,154	606	461	1,83,000	347	30,31,030	657	40,00,847	677	74,911
	TOTAL	3,452	12,07,507	370	3,395	9,27,730	473	2,12,31,570	474	1,80,01,171	421	...
	AND TOTAL (GUARANTEED AND STATE)	12,907	35,74,797	270	13,727	35,03,000	433	5,28,01,058	314	5,28,01,058	301	...
	GROSS ESTIMATED EXPENSES	...	...	...	...	...	...	2,40,03,404	148	2,48,00,147	142	...
	NET RECEIPTS	...	...	...	...	...	...	2,70,00,554	166	2,78,00,911	159	...
	<i>Assisted Companies.</i>											
13 days of July, 1889	Tarakeshwar	22	5,608	285	22	5,436	247	83,348	288	84,050	203	...
June, 1889	Dibru-Sadiya	...	...	...	...	(f)	...	(k) 1,00,777	108	(l) 1,15,540	123	14,740
13 days of July, 1889	Bengal and North-Western	376	58,050	157	376	75,644	201	7,68,354	157	7,80,820	162	12,478
8 days of June, 1889	Rohilkhand-Kumaun	07	10,004	159	07	1,740	175	1,00,035	110	1,00,480	127	8,051
	TOTAL	405	75,222	162	405	92,820	200	10,53,111	144	10,88,280	150	35,601
	<i>Native States.</i>											
6 days of July, 1889	His Highness the Nizam's Guaranteed Company	277	39,443	142	354	45,874	130	4,05,010	112	5,33,551	117	1,28,541
July, 1889	His Highness the Gaekwar's	59	2,070	35	59	2,810	48	44,403	58	35,951	51	...
ditto	His Highness the Gaekwar's Yoramgam	21	804	38	27	1,000	37	14,311	53	10,593	48	2,202
6 days of July, 1889	Mehsana-Vadnagar	193	12,830	103	260	21,502	83	3,17,035	127	4,41,370	132	1,23,735
Ditto ditto	Bhuvanagar-Gondal	08	3,006	45	68	4,043	63	60,095	65	67,002	77	6,507
July, 1889	Junagarli-Porbandar	124	11,419	92	124	8,600	69	1,00,633	60	98,546	62	...
	TOTAL	742	76,632	103	892	84,434	95	9,48,760	95	11,06,073	104	2,47,304

(a) Included with the Indian Midland Railway.

(b) Includes the Katni-Umaria Branch.

(c) Includes Sanctoria Coal Section of the Bengal-Nagpur Railway.

(d) Includes the Bellary-Kistna State Railway.

(e) Includes the Sindia and Bhopal-Itarsi State Railways.

(f) Includes the Amritsar-Pathankot and Rajpura-Bhatinda State Railways.

(g) Includes the Dhond-Mannad, Khungaoon, Amraoti, and Bhopal State Railways.

(h) Includes the Dhond-Mannad, Khungaoon, and Amraoti State Railways.

(i) Includes the Patni Branch.

(j) Return not received.

(k) Total receipts from 1st April to 23rd June, 1888.

(l) Total receipts from 1st April to 32nd June, 1888.



The Gazette of India.

PUBLISHED BY AUTHORITY.

CALCUTTA. SATURDAY, JULY 27, 1889.

Separate paging is given to this Part in order that it may be filed as a separate compilation.

PART II.

Notifications by High Court, Comptroller General, &c.

GAZETTE OF INDIA.

NOTICE.

The 23rd March, 1889.

From the 13th April next, till further notice, Parts I, IV, V, and VI of the *Gazette of India*, and the Weather and Crop Report, will be published at Simla. After the 6th April, all Notifications and other matter intended for publication in those Parts, should be addressed to the Officiating Publisher at Simla.

Revised rates from 1st January, 1887.

	Per annum.	K	a.	p.
Subscription for <i>Gazette</i> and Supplement	15	0	0	
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Rules and Notifications issued under Legislative Acts, and having the force of law, may be obtained separately at per page 2 pice.

By order of Government, all subscriptions must be paid in advance.

Applications for the supply of the *Gazette* on the public service should be addressed to the Home Department.

Complaints regarding non-receipt of any number of the *Gazette* should be forwarded within a week after the date on which it is due.

Attention is invited to the Circular Memo. of the Government of India, Home Department, of February, 1870, directing that all Notifications or other matter intended for insertion in the *Gazette of India* should be delivered at the Publisher's Office not later than 2 P.M. on Friday afternoon, and that matter sent after that hour must be certified to be extremely urgent in order to ensure its appearance in the next day's *Gazette*.

Matter intended for publication in the Supplement should reach the Press not later than Thursday.

E. J. DEAN,

Publisher, Gazette of India.

BANK OF BENGAL.

NOTICE.

Calcutta, the 22nd July, 1889.

The Annual General Meeting of the Proprietors and Shareholders of the Bank of Bengal will be held at the Bank, on Thursday, the 15th August, at 10-15 A.M., for the transaction of the following business:—

- I.—To receive the Directors' Report and the Audited Accounts up to the 30th June, 1889.
- II.—To elect two Directors in the room of Mr. George Cheetham and Mr. A. B. Miller, who go out by rotation but who are eligible for re-election.
- III.—To elect two Auditors and to fix their remuneration.

By Order of the Directors,

W. D. CRUICKSHANK,

Secretary & Treasurer.

CALCUTTA UNIVERSITY.

NOTICE.

Babu Lalmohan Das, M.A., B.L., Tagore Professor of Law, will lecture on the Law relating to Riparian Rights, including the Law of Alluvion and Diluvion and the Law of Property in Navigable and Non-Navigable Rivers, on Fridays and Tuesdays in the Presidency College, at 5 P.M.

The first lecture is to begin on Friday, the 2nd August.

F. J. ROWE,
Offg. Registrar.

SENATE HOUSE,
The 25th July, 1889.

SURGEON-GENERAL WITH THE
GOVERNMENT OF INDIA.

NOTIFICATIONS.

Simla, the 10th July, 1889.

No. 18.—The services of 1st grade Assistant Apothecary Charles John Maher are placed at the disposal of the Punjab Government.

The 15th July, 1889.

No. 19.—The services of 2nd grade Apothecary Walter Henry Harding are placed permanently at the disposal of the Government of the North-Western Provinces and Oudh.

B. SIMPSON, M.D.,
Surgeon-General with the Govt. of India.

SURVEY OF INDIA.

NOTIFICATION.

Calcutta, the 25th July, 1889.

No. 755.—CORRIGENDUM.—In this Office Notification, No. 752, dated 9th July, 1889, for "12th May, 1889," read "13th May, 1889." Mr. James Todd retired from the latter date.

J. SCONCE, Colonel, S.C.,
for Surveyor-General of India.

SURVEY OF INDIA DEPARTMENT—
REVENUE BRANCH.

NOTIFICATIONS.

Calcutta, the 23rd July, 1889.

No. 8.—Mr. P. Beechey, Assistant Surveyor, 2nd grade, is granted privilege leave under Article 277 of the Civil Service Regulations, from 1st proximo, or subsequent date on which his services can be spared, up to 31st October, 1889.

The 26th July, 1889.

No. 9.—Mr. P. J. Serrao, Assistant Surveyor, 2nd grade, is granted privilege leave for two months and eleven days, under Article 277 of the Civil Service Regulations, with effect from 23rd instant.

J. SCONCE, Colonel, S.C.,
*Deputy Surveyor General,
In charge Revenue Branch, Survey of India.*

SURVEY OF INDIA DEPARTMENT—
TRIGONOMETRICAL BRANCH.

NOTIFICATION.

Mussoores, the 19th July, 1889.

No. 3.—In supersession of Notification, No. 2 of 28th June, 1889, Mr. G. W. E. Atkinson, Surveyor, 1st grade, is granted privilege leave for two months, under the provisions of Section ii, Chapter XII, of the Civil Service Regulations, with effect from the forenoon of the 21st ultimo.

G. STRAHAN, Lieut.-Colonel, R.E.,
*Offg. Depy. Surveyor General,
In charge Trigonometrical Branch.*

AGENT TO THE GOVERNOR-
GENERAL FOR CENTRAL INDIA.

NOTIFICATIONS.

Indore Residency, the 16th July, 1889.

No. 3035.—Captain E. E. Robertson, 1st Regiment, Central India Horse, is granted privilege leave for thirty days, from the 20th July, 1889, or such subsequent date as he may avail himself of it.

No. 3037.—Lieutenant J. L. Kaye, 1st Regiment, Central India Horse, is granted privilege leave for sixty days, from the 22nd July, 1889, or such subsequent date as he may be permitted to avail himself of it.

By Order,
F. W. P. MACDONALD,
*Asst. Agent to the Govr.-Genl.
for Central India.*

The 17th July, 1889.

No. 3065.—Lieutenant-Colonel G. R. Peart, Commandant, Bhopal Battalion, received charge of the Bhopal (Sehore) Treasury, from Lieutenant-Colonel C. Ransford, on the forenoon of the 9th July, 1889.

The 20th July, 1889.

No. 3135.—Lieutenant-Colonel H. Wylie, C.S.I., Political Agent, Bhopal, is permitted to proceed on privilege leave for two months and twenty-eight days, from the forenoon of the 8th July, 1889.

By Order,
A. TUCKER,
*Asst. Agent to the Govr.-Genl.
for Central India.*

The 23rd July, 1889.

No. 3185.—Lieutenant A. Poingdestre, Adjutant, Malwa Bhil Corps, returned from the privilege leave granted to him in Central India Agency Notification No. 1184, dated 3rd April, 1889, and resumed charge of his duties on the 13th July, 1889.

By Order,
F. W. P. MACDONALD,
*Asst. Agent to the Govr.-Genl.
for Central India.*

AGENT TO THE GOVERNOR. GENERAL, RAJPUTANA.

NOTIFICATIONS.

Abu, the 16th July, 1889.

No. 2730-G.—In continuation of this Office Notification, No. 2606-G., dated 10th July, 1889, it is hereby notified that Surgeon G. J. H. Bell, M.B., Indian Medical Service, took over medical charge of the Harowtee and Tonk Political Agency, from Hospital Assistant Yusuf Narain, on the forenoon of the 5th idem.

[The 17th July, 1889.]

No. 2732-G.—With reference to Foreign Department Notification, No. 1265-G., dated 10th July, 1889, it is hereby notified that Surgeon W. H. Neilson, M.B., assumed medical charge of the Meywar Residency, on the afternoon of the 29th June, 1889.

By Order,

L. IMPEY, *Lieut.*,

*for First Asst. Agent to the Govr.-Genl.,
Rajputana.*

The 19th July, 1889.

No. 2798-G.—With reference to Foreign Department Notification, No. 1267-G., dated 10th July, 1889, Surgeon C. R. M. Green, Indian Medical Service, took over medical charge of the Erinpura Irregular Force, on the forenoon of the 14th idem.

The 22nd July, 1889.

No. 2812-G.—In continuation of this Office Notification, No. 1431-G., dated 23rd April, 1889, Mr. J. R. Tregear, Assistant Superintendent, Rajputana-Malwa Railway Police, returned from privilege leave on the forenoon of the 16th July, 1889.

By Order,

E. A. FRASER, *Major,*

*First Asst. Agent to the Govr.-Genl.
in Rajputana.*

CHIEF COMMISSIONER OF AJMERE-MERWARA.

NOTIFICATIONS.

Abu, the 16th July, 1889.

No. 765.—With reference to Foreign Department Notification, No. 1202-G., dated the 3rd July, 1889, Captain A. F. De Laessoe, C.M.G., C.I.E., took over charge of the Office of Assistant Commissioner, Merwara, from Rai Bahadur Munshi Bishen Sarup, on the forenoon of the 10th July, 1889.

The 17th July, 1889.

No. 774.—With reference to the orders issued by the Agent to the Governor-General, Rajputana, under Notification No. 2541-G., dated the

6th July, 1889, Lieutenant G. S. Jones, Officiating 2nd-in-Command of the Deoli Irregular Force, is appointed, with effect from the date of assuming charge, to officiate as Cantonment Magistrate, Deoli, during the absence on leave of Captain J. A. Bell.

With effect from the same date, Lieutenant G. S. Jones is invested, under Section 12 of Act X of 1882 (Criminal Procedure Code), with the powers of a Magistrate of the 2nd class, to be exercised during the time he may act as Cantonment Magistrate.

By Order,

L. IMPEY, *Lieut.*,

*for First Asst. to the Govr.-Genl.'s Agent,
Rajputana, & Chief Commr., Ajmere-Merwara.*

DIRECTOR-GENERAL OF RAILWAYS.

NOTIFICATION.

Simla, the 17th July, 1889.

No. 24.—Lieutenant C. S. Rose, R.E., Assistant Engineer, 2nd grade, passed the Professional Examination, prescribed in paragraphs 9 to 11, Chapter II, Volume I, of the Public Works Department Code, on the 3rd June, 1889.

L. CONWAY-GORDON,

Director-General.

Statement of Silver Balance in the Calcutta Mint for the week ending 24th July, 1889.

	₹	₹
Value of silver held in the Mint on account of the Currency Department on the evening of the 17th July, 1889	2,37,301	
Value of Government silver in the Mint on the same date	4,45,075	6,82,376
ADD—		
Silver received by the Mint during the week on account of the Currency Department	...	
Ditto ditto Government	...	
DEDUCT—		
New coin paid to Reserve Treasury during the week	...	6,82,376
Petty items issued for miscellaneous purposes	479	479
Balance on the evening of the 24th July, 1889		6,81,897
The Balance comprises—		
Silver held on account of the Currency Department	2,06,948	
Ditto ditto Government	4,74,949	6,81,897
There is in addition awaiting assay—		
Bullion belonging to Private Individuals	...	
Ditto ditto Government	...	

A. W. BAIRD, *Lieut.-Colonel, R.E.,*

Offg. Master of the Mint.

CALCUTTA MINT,
The 25th July, 1889.

Statement of the Affairs of the Bank of Bengal for the week ending 23rd July, 1889.

LIABILITIES.				ASSETS.			
	R	a.	p.		R	a.	p.
Capital paid up	2,00,00,000	0	0	Government Securities	21,77,956	0	0
Reserve Fund	58,00,000	0	0	Other authorised Investments	84,14,773	13	0
Public Deposits at Head Office	78,74,455	12	3	Loans on Government and other authorised Securities	93,08,724	7	1
Public Deposits at Branches	1,76,74,634	4	6	Accounts of Credit on Government and other authorised Securities	76,53,025	12	8
Other Deposits at Head Office and Branches	3,32,60,396	11	0	Bills discounted and purchased	2,45,76,861	2	11
Bank Post Bills, &c.	3,54,404	10	0	Balances with other Banks	6,54,125	12	5
Sundries	9,61,166	1	10	Bullion	9,224	14	0
				Dead Stock	12,27,852	7	1
				Stamps	10,856	0	0
				Sundries	3,28,817	9	1
					5,43,62,217	14	3
				Cash and Currency Notes at Head Office	98,72,723	14	2
				Cash and Currency Notes at Branches	2,16,90,115	11	2
					3,15,62,839	9	4
RUPRES	8,59,25,057	7	7	RUPRES	8,59,25,057	7	7

BANK OF BENGAL,
Calcutta, the 25th July, 1889.

R. L. BISS,
Chief Accountant.
Rate for Demand Loans 4 per cent.
Percentage 52'4.

By Order of the Directors,
W. D. CRUICKSHANK,
Secretary & Treasurer.

Memorandum.

LIABILITIES.				ASSETS.			
	R				R		
Treasury Balance at Head Office	1,93,032	Decrease.		Bank's Investments	2,42,609	Decrease.	
Ditto at Branches	5,57,700	ditto.		Loans	1,29,817	Increase.	
Other Deposits	2,27,839	Increase.		Accounts of Credit	3,00,005	Decrease.	
Post Bills	18,144	Decrease.		Mercantile Bills	5,22,634	Ditto.	
				Cash at Head Office	36,288	Ditto.	
				Do. at Branches	4,73,330	Increase.	

BRANCH DEPARTMENT,
Calcutta, the 23rd July, 1889.

CALCUTTA MINT.

NOTIFICATION.

List of Coins acquired under the Indian Treasure Trove Act and available for sale to Numismatists. (Home Department Resolution No. 46—1668-82, dated 9th October, 1884.)

Register Number.	DESCRIPTION.	Metal.	Value of each coin.			Number of coins available for sale.	REMARKS.
			R	a.	p.		
93	Found in the Rohtak District. Shah Allum	Silver .	1	0	0	21	These coins will be available for sale up to and not later than the 1st Oct., 1889. Do. do. 4th Dec., 1889.
94	Found in the Sarun District. Muhammad Shah	Do. .	1	0	0	22	
95	Farokh Syar	Do. .	1	0	0	4	

A. W. BAIRD, *Lieut.-Colonel, R.E.,*
Offg. Master of the Mint.

CALCUTTA MINT,
The 25th July, 1889.

NOTICE.

Charts published by the Marine Survey of India which have been cancelled since 1881.

No.	Title of Chart cancelled.	No.	Cancelled by.
India, West Coast.			
O.11	Indian Ocean. Curves of equal magnetic variation for 1876.	O.11	Indian Ocean. Curves of equal magnetic variation for 1880.
K.67	Bombay Harbour, showing the outer fishing stakes. By Commander Taylor, 1877.	K.66	Bombay Harbour. By Commander Dawson, R.N., 1883.
M.39	Sketch of the Entrance to Rajpuri River. By Navigating Lieutenant Haines, R.N., 1876.	400	Janjira Harbour. Indian Government Surveys, 1884.
M.43	Goa and Marmagao Roadsteads. By Commander Taylor, 1877.	492	Agoda to St. George Islands, Mormugao Roadstead. By Navigating Lieutenant Petley, R.N., 1881.
1.851	Quilon Roads. Published by the Marine Survey of India, 1880.	1.851	Quilon Roads. By Navigating Lieutenant Pascoe, R.N., 1883.
Ceylon.			
G.1175	Colombo Harbour and its Approaches, 1878	914	Colombo Harbour. Government Surveys, 1885.
G.1256	Batticaloa Roadstead, 1881	2031	{ Ceylon, East Coast. Plan of Batticaloa, &c., 1888.
G.1235	Mullaitivu, or Moeletivoe, 1879		
India, East Coast.			
N.15b.	Cape Comorin to Cocanada. Compiled by R. C. Carrington, 1876.	828	Cape Comorin to Cocanada. Edition of 1888.
N.15c.	Cocanada to Bas-ein River. Compiled by R. C. Carrington, 1876.	829	Cocanada to Bassein River. Edition of 1888.
F.113	Coringa or Cocanada Bay, showing the Northern Godavery Mouths. By Navigating Lieutenant Hammond, R.N., 1875.	71a.	Coromandel Coast, Sheet I. Plan of Cocanada or Coringa Bay, &c., 1887.
F.1165	False Point Harbour and Approaches. By Navigating Lieutenant Hammond, R.N., 1876, corrected to 1880. By Commander Taylor.	755	False Point Anchorage, and Entrances of Bacood Creek and Jumboo and Mahanuddy Rivers, 1886.
E.115	False Point to Mutlah River, showing the approaches to Sandheads. Compiled by R. C. Carrington, 1881.	814	The Sandheads. False Point to Mutlah River. Indian Government Surveys, 1888.
E.115a.	Mutlah River to the Chittagong Coast, 1879 .	859	Mutlah River to Elephant Point. Edition of 1888.
E.117	Hooghly River. Luff Point to Anchoring Creek, showing the James and Mary Shoals, and Entrance to the Roopnarain River. By Navigating Lieutenant Coghlan, R.N., 1875.	136	River Hughli. Calcutta to Saugor Point, 1887.
D.126	Chittagong or Kornafuli River. By Navigating Lieutenant Hammond, R.N., 1876.	84	Chittagong River. By Commander Dawson, R.N., 1883.
Burma.			
N.15d.	Bassein River to Pulo Penang. Compiled by R. C. Carrington, 1876.	830	Bassein River to Pulo Penang. Edition of 1887.
C.143	Rangoon River Approaches. By Navigating Lieutenant Jarrad, R.N., 1876.	C.1276	Rangoon River, 4 Sheets. By Commander Dawson, R.N., 1883-84.
C.144	Port of Rangoon. In 8 sheets. By Lieutenant Coombs, R.N., 1881.	C.144	Port of Rangoon. By Commander Dawson, R.N., 1883.
C.134	Coronge Island to White Point, including the Gulf of Martaban. Compiled R. C. Carrington, 1879.	823	Coronge Island to White Point, including the Gulf of Martaban. Edition of 1887.
Andamans, &c.			
A.171	Port Mouat. By F. W. Allen, Commanding I. G. S. <i>Constance</i> , 1880.	...	
514	Port Blair. Lieutenant Dickson, 1868	A.170	Port Blair. Lieutenant Whitehouse, R.N., 1887-88.
B.1173	Hayes Island to the Pilgrims. Commander De Richelieu, Siamese Navy, 1877.	...	
B.159	Kopah Inlet. Commander Taylor, 1876 . . . . .	...

ST. L. S. WARDEN,

In charge, Marine Survey Office.

MARINE SURVEY OFFICE,
BOMBAY,
The 1st July, 1889.

ELEPHANTS FOR SALE.

NOTICE.

The Commissariat Transport Department at Mhow has six elephants (three male and three female) for sale in consequence of reduction of establishment. The undersigned is prepared to receive offers for all or any of the animals which can be seen any day in the Transport Lines on application to the Chief Commissariat Officer.

For further particulars please apply to the—

Chief Commissariat Officer,
Mhow District,
Mhow (Central India.)

CEMETERY NOTICE.

Notice is hereby given that the tombs of the persons named below, in the Civil Lines Cemetery of Agra, are nearly in a ruinous condition; and unless some friends of the deceased undertake the restoration of the tombs, the procedure prescribed in the Standing Orders of Government will be carried out.

List of tombs, &c., in a dilapidated state in the Civil Lines Cemetery at Agra.

Inscription and Name.	Date of birth and decease.
Mamool, wife Heera Lall, Catechist.	Died 13th May, 1845.
Jemima, Ann, Edwards, and James Macleod, children.	Nil.
Joseph Geo. Andrews, Armenian, of Julpha.	Died 10th May, 1846.
Rev. J. J. Capshore, D.D.	.....
James Mark	Died 1st November, 1855.
Mary, daughter of Macker-tish.	Died 27th March, 1867.
Bella, daughter of G. Thakur.	.....
George Thakur, killed in the mutiny, 5th July, 1857.	.....
Mrs. Thakur, the wife	Died 2nd October, 1864.
Mary Ann Willis	Died 9th November, 1859.
J. D. Lindsay	Died 2nd October, 1855.
Hannah Chill	.....
Cecelia Winifred, child of McMullen.	Died 14th September, 1860.
Sophia Ellen Freed	Born 16th June, 1864, died 17th September, 1886.
Mary Fisher	Died 14th August, 1860.
Mr. Abel	.....
William Samuel Ackbury	Born 18th January, 1802, died 23rd November, 1857.
Wentworth Septimus	Died 24th May, 1867.
William Patrick Durance	Died 10th May, 1858.
E. Gray, monument erected by office mates	Died January, 1853.
Harriet Louisa, wife of W. H. Lowe, C.S.	Born 11th September, 1832, died 5th July, 1856.
Smith Locke Larking	Died 1st March, 1857.
Mr. W. H. Coven	Died 14th July, 1859.
Samuel White	Died 16th May, 1844.
Edward Harding	Died 16th January, 1860.
Mr. John Maccoy	.....

H. B. FINLAY,
Magistrate.

Report of a Deserter or Absentee without leave from the G Battery, 1st Brigade, Royal Artillery, dated at Ferozepore, this 18th day of July, 1889.

Number, Rank, and Name, —No. R.A.—42116, Gun- ner Thomas Dawson.	Parish and County in which Born,—Ormskirk, Lanca- shire.
Age,—29 years 6 months.	Place of residence for last 12 months before enlist- ment,—Not known.
Height,—5 feet 5½ inches.	Marks,—Scars on left arm, nose and back.
Colour of— Complexion, sallow; Hair, light brown; Eyes, blue.	Trade,—Shoe-maker.
Date of Desertion or Ab- sence,—12th July, 1889.	Regimentals or plain clothes,—Regimentals, (khaki suit.)
Place of Desertion or Ab- sence,—Meean Meer.	REMARKS.—On 3 days' leave.
Date of Enlistment,—and April, 1884.	Under 6 years' service.
At what Place Enlisted,— Preston.	

H. J. Lyster, Captain, R.A.,
Comdg. G Battery, 1st Brig., R.A.

Report of a Deserter from the 2nd Battalion, Durham Light Infantry, dated at Poona, this 20th day of July, 1889.

Number, Rank, and Name, —No. 2292, Lance Corporal Joseph Nicholls	Marks,—Scar, left fore- finger, mole, left hip. scars on back, scar, right buttock.
Age,—About 25 years 7 months.	Trade,—Carpenter.
Height,—5 feet 4½ inches.	Coat or Jacket, ..
Colour of— Complexion, fresh; Hair, brown; Eyes, hazel.	Waistcoat,—
Date of Desertion,—18th July, 1889.	Breeches or } Trowsers, .. } Regi- mentals.
Place of Desertion,—Poo- na, Bombay.	REMARKS.—Fraud; enlisted in D. L. I. from Gordon Highlanders, name in Highlanders "Montague Carr Glynn." Was on pass to Bombay until 13th July, 1889.
Date of Enlistment,—2nd January, 1886.	Over 3 years and 6 months' service.
At what Place Enlisted,— London.	
Parish and County in which born,—St. Pancras, Lon- don, Middlesex.	

G. A. LEE, Colonel,
Comdg. 2nd Battn., Durham Light Infy.

TREASURE TROVE.

NOTICE.

It is hereby notified under Section 5 of Act VI of 1878, that, on or about the 17th December, 1888, treasure consisting of the under-mentioned articles, valued at Rs 20-4, was found undergro und by one Para Nagan in an assessed dry land measured in Paimash as No. 77 in the village of Kandiyur, near Valangiman, in Kum-bakonam Taluk, Tanjore District:—

Gold pattakarai	1
Gold broken bit	1
Gold ring	1
Broken bits of a ring	2
	5*

* Valued at Rs 20-4.

All persons claiming the said treasure, or any part thereof, are hereby required to appear personally or by agent before the Collector of Tanjore, at his office, on the 10th December, 1889, in view to the matter being enquired into and determined according to law.

E. GIBSON,
Collector of Tanjore.

CAMP THOLARAPATNAM,
The 15th July, 1889.

POST OFFICE.

NOTIFICATIONS.

Unclaimed Letters held in the Calcutta General Post Office on the 23rd July, 1889.

Campbell, A. D. London, Monsieur R. Row, M.
Hayley, Messrs. C. P. Luke, Messrs. Jas. & Stegeman, Mrs.
Kruger, Arthur. Co. Winckler, E. T. W.

Letters marked "Care of Post Office."

Abbott, C. A. George, Mrs. C. Percy, W. H.
Abbott, Major A. K. Gibson, Peter. Pisani, R.
Adels, E. J. Green, H. Poliscene, N.
Aldhan, Mr. Hallen, C. Ramaden, Miss Kate.
Allen, John. Herklotte, A. Remington, Capt.
Anderson, J. K. Herschkovitch, F. A.
Ballantine G. Isak. Riech, Ana.
Barrett, E. C. Hindmarsh, William. Rivas, D. F.
Bildt, Gillis. Homfray, R. S. Robart, P.
Braddon, Mr. C. J. S. Hooman, J. H. Roorke, J.
Burke, Mrs. K. A. Hoskins, Mrs. C. Ruchwaldy, Mrs. H.
Carlton, Miss. Hughes, R. J. Schoeneman, G. W.
Cohn, Maritz. Hunter, A. F. Silbermann, Simon.
Cliffe, A. Jackson, J. Smith, J. M.
Cox, E. T. Kenny, C. Solomon, Louis.
Davis, C. Mar ners, R. Staab, Henry.
Dawson, T. Manassah, E. J. Stand, Mary.
De Rylandt, Count J. McKenzie, James F. Stern, Madam Lee.
Deuch, Mrs. C. McMaster, J. E. Sultana, Mrs. C. J.
Dowie, J. Millie, W. Taksier, David.
Ellis, Thos. Moystlin, Mr. Talbot, H. B.
Emmett, W. H. Muller, H. A. H. Thomasson, Mrs.
Faintyley, E. Mullins, L. Tighe, J. L.
Fischer, T. & Co. Nethering, E. O. Vaz, George.
Fleury, Miss Agnes. Nichlenson, Miss A. Vincent, J.
Freedman, J. J. Oldham and Oldham. Walter, F.
Gailkeera, E. O'Brien, W. W. Webber, M. F. V.
Garland, Capt. V. M. O'Shea, G.

Registered Letters.

Aldham, C. J. Hughes, Geo. Rubinstoen, Anna.
Briggs, W. M. Montaney, R. Silbermann, S.
Eglinton, C. A. O'Brien, W. W. Staab, Henry.
Haring, O. Revilliod, Gustave. White, David.

Unclaimed Letters held in the Barrackpore Post Office on the 22nd July, 1889.

Corbett, R. dela, Malcolm, A. Reynolds, Mr.
Surgeon-Major. Patulls, W. Rydquist, C. F.
Fox, Mrs. C. Rendell, J. W. Sime, J. S.
Harris, Mr.

E. HUTTON,
Presidency Postmaster, Calcutta.

The 27th July, 1889.
SEA AND FOREIGN MAILS.

Mails for	Date of closing at Calcutta.	Route by which despatched.
	1889.	
Egypt, Europe, America, Cape Colonies, through United Kingdom.	27th July	Per P. & O. Str. from Bombay.
Ditto ditto	3rd August	Ditto.
Ditto (Book Post and Pattern Packets)	2nd "	Ditto.
Maoritus, Mahé (Seychelles), Mayotte, Nossi Be and Réunion	27th July	Ditto.
Ceylon, Straits Settlements, Netherlands India, Labuan, Bangkok (Siam), Philippine Islands, China and Japan	29th "	Ditto.
Australia, New Zealand and Tasmania	29th "	Ditto.
Colombo	2nd August	Per P. & O. Str. Kaiser-i-Hind.
Madras, Pondicherry, Ceylon, Batavia, Singapore and China	4th "	Per French Str. Tibre.
Straits and Hong-Kong	5th "	Per Steamer Wingsang.
Rangoon and Moulmein	30th July	Per Steamer Camilla.
Ditto ditto	2nd August	Per Steamer Purnea.
Akyab, Kyaukpyn, and Rangoon	31st July	Per Steamer Euphrates.
Port Blair	1st August	Per Steamer Maharani.

N.B.—On ordinary days the letter-box will close at 7 P.M. precisely; after which hour inland letters and papers, fully prepaid and bearing an extra postage stamp of half anna, and foreign letters and papers fully prepaid and bearing an extra stamp of four annas, will be received up to 7-30 P.M.
On the day of despatch of the Overland Mail for Europe, the letter-box for foreign letters will close at 8-30 P.M., and late letters and papers will be received up to 9 P.M.

E. HUTTON,
Presidency Postmaster, Calcutta.

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گورنمنٹ سنکونا فبري فيوج

یہ دوا کوئینائیں کا عمدہ بدلہ ہے اور کلکتہ کے ہوائی کارکن یعنی کینی باغ کے سپرنٹنڈنٹ صاحب سے ہوائی کارکنوں کے واسطے سرکاری کام اور خیرات کے اور جو کوئی ایک شخص بیس پونڈ خرید کرنے والا ہو وہ نقد خرید کرنے کی شرط پر نیچے کے لکھ ہوئے بھاڑ سے خرید کر سکتا ہے یعنی — چار اونس کے تیس کے تین روپی چودہ آنے ; آٹھ اونس کے تیس کے سات روپی چار آنے ; ایک پونڈ کے تیس کے چودہ روپی اور عوام الناس ہوائی کارکن یعنی کینی باغ کے سپرنٹنڈنٹ صاحب سے بقیہ نقد نیچے کے لکھ ہوئے بھاڑ سے خرید کر سکتے ہیں یعنی — چار اونس کے تیس کے چار روپی چودہ آنے ; آٹھ اونس کے تیس کے نو روپی چار آنے ; ایک پونڈ کے تیس کے ستر روپی آٹھ آنے

یہ دوا کلکتہ کے بڑے بڑے دلائی اور دیسی دوا خانوں میں بکتی ہے مسواے قیمت مذکورہ بالا کے معقول ذاک چار اونس کے چار آنے ; اور آٹھ اونس کے تیس کے آٹھ آنے ; اور ایک پونڈ کے تیس کے بارہ آنے

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BRUCE INSTITUTION.

ANNUAL ELECTION, 1889.

The Governors of the Bruce Institution will proceed, at 5 P.M., on Tuesday, the 20th August, 1889, to the election of fourteen Eurasian girls on the Bruce Foundation. Candidates must, on the day of election, be not over ten years of age, and preference will be given to orphans and to those deserted by their parents.

Forms of application may be obtained from the Assistant in charge of the office of the Bruce Institution, Room No. 29, top floor, Writers' Buildings, and applications on these forms only will be received by that officer up to Saturday, the 10th August, 1889.

By order of the Governors,

CHARLES H. TAWNEY,
Offg. Hon. Secretary.

OFFICE OF THE BRUCE INSTN.,
The 10th July, 1889.

PROMISSORY NOTES.

Lost or Stolen.

The Government Promissory Note, No. 277469, of the 4 per cent. loan of 1865, for Rs. 2,500, originally standing in the name of Bepin Behary Munshi, the proprietor, by whom it was never endorsed to any other person. Payment of the above note and the interest thereupon have been stopped at the Public Debt Office, Bank of Bengal, and application is about to be made for the issue of a duplicate in favour of the proprietor.

BEPIN BEHARY MUNSHI,
*21, Boloram Ghose's Street,
Calcutta.*

Stolen.

The Government Promissory Note No. C.1491—142882—81, dated 1st February, 1842, for Rs. 1,000, originally standing in the name of Ishan Chunder Doss, the proprietor, by whom it was never endorsed to any one, having been stolen, notice is hereby given that payment of the above note and the interest thereupon have been stopped at the Public Debt Office, Bank of Bengal, Calcutta, and that application is about to be made for the issue of a duplicate in favour of the proprietor. The public are cautioned against purchasing or otherwise dealing with the abovementioned security.

SHAM SOONDER DASS,

*Head Asst., Office of the Supdg. Engr.,
Western Circle.*

WRITERS' BUILDING,
CALCUTTA,

The 15th July, 1889.

Stolen.

The lower halves of Government Promissory Notes, Nos. 068382, 068383, and 068384, of the 4½ per cent. portion loan of 1879, for Rs. 1,000 each, originally standing in the name of George A. Brigstocke, and last endorsed to George Augustus Brigstocke, the proprietor, by whom they were never endorsed to any other person. Payment of the above notes and the interest thereupon have been stopped at the Public Debt Office, Bank of Bengal, and application is to be made for accrued interest, and for the issue of duplicates in favour of the proprietor after two years from date of last advertisement.

GEO. A. BRIGSTOCKE,

Manora.



SUPPLEMENT TO
The Gazette of India.

No. 28.] CALCUTTA, SATURDAY, JULY 13, 1889.

OFFICIAL PAPERS.

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DEPARTMENT OF FINANCE AND COMMERCE.

RETAIL PRICES FOR THE 2nd HALF OF MAY 1889.

QUANTITIES PER RUPEE IN SERS OF 80 TOLAS.

DISTRICTS.	WHEAT.		BARLEY.		RICE, BEST SORT.		RICE, COMMON.		JOWAR OR CHOLAM (<i>Sorghum vulgare</i>).		BAJRA OR CUMBU. (<i>Pennisetum typhoides</i>).		MARUA OR RAGI (<i>Eleusine indica</i>).		KANOHI OR KAKUM, ITALIAN MILLET (<i>Setaria italica</i>).		GRAM, CHENNA, CHOLA, KADALAY OR SUNAGA (<i>Cicer arietinum</i>).		MAIZE (<i>Zea Mays</i>).		ARHAR OR THUR CADJAN PEA (<i>Cajanus indicus</i>).		FIREWOOD.		SALT.				
	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.	Past fortnight.	Present fortnight.		
																												S. Ch.	S. Ch.
MASSARIM—																													
Mergui	9 14	10 4	10 14	11 5	428 0	428 0	19 7	19 7		
Tavoy . . . . .	...	...	...	...	12 6	11 13	14 13	14 13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	399 3	399 3	24 2	24 2
Moulmein and Amherst	7 14	3 15	...	...	10 8	10 8	12 2	12 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	220 0	220 0	20 3	20 3
PEU (<i>delatic</i>)—																													
Pegu . . . . .	...	...	...	...	10 4	9 7	14 10	11 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	157 0	145 0	17 10	18 7
Rangoon . . . . .	...	...	...	...	10 6	12 6	11 2	13 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	250 0	250 0	14 9	16 10
Thongwa . . . . .	...	...	...	...	10 11	10 11	12 13	13 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	150 0	150 0	18 11	18 11
Bassien . . . . .	...	...	...	...	10 13	11 0	13 14	14 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	215 13	215 13	14 3	14 3
PEU (<i>inland</i>)—																													
Shwaygyin . . . . .	...	...	...	...	9 1	9 1	9 9	10 6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	250 0	250 0	14 2	11 3
Tharawadi . . . . .	...	...	...	...	12 8	12 8	15 8	15 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	450 0	450 0	14 0	14 0
Hensada . . . . .	...	...	...	...	10 4	10 4	15 10	15 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	183 8	183 8	17 11	17 11
Prome . . . . .	...	...	...	...	11 10	11 3	13 1	13 12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	167 9	167 9	14 0	14 0
Toungoo . . . . .	...	...	...	...	9 2	9 2	12 13	12 13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	200 0	200 0	14 1	14 1
Thayetnyo . . . . .	...	...	...	...	10 12	10 12	12 9	12 9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	326 11	326 11	11 3	11 3
MAE BURMA—																													
Mandalay . . . . .	...	...	...	...	11 0	11 5	12 6	12 9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	75 0	70 0	16 0	16 0
MAE—																													
Sadoway . . . . .	...	...	...	...	14 14	16 9	16 9	18 12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	469 11	469 11	21 5	24 0
Kyauk-pyu . . . . .	...	...	...	...	12 14	13 7	13 14	14 11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	333 0	333 0	30 0	30 0
Akyab . . . . .	...	...	...	...	12 0	13 0	14 8	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	180 0	180 0	21 0	21 0
MAE—																													
Sylhet . . . . .	...	...	...	...	14 14	14 14	15 12	15 12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	108 0	108 0	9 8	9 8
Cachar . . . . .	...	...	...	...	12 0	12 8	16 0	13 8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80 0	80 0	9 8	9 8
Khasi and Jaintia Hills . . . . .	...	...	...	...	5 11	6 0	8 13	10 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100 0	100 0	7 0	7 0
Garo Hills . . . . .	...	...	...	...	6 0	6 0	15 0	17 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100 0	100 0	6 7	6 7
MAE—																													
Kamrup . . . . .	...	...	...	...	8 0	8 0	16 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80 0	80 0	9 8	10 0
Kamrup . . . . .	...	...	...	...	8 0	8 0	16 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	160 0	160 0	9 0	9 0
Darrang . . . . .	...	...	...	...	12 0	12 12	14 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	150 0	150 0	8 0	8 0
Nongpoh . . . . .	...	...	...	...	7 0	7 0	16 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	120 0	120 0	8 0	8 0
Shillong . . . . .	...	...	...	...	6 8	6 8	16 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	200 0	200 0	7 8	7 8
Shillong . . . . .	...	...	...	...	7 0	7 0	16 0	14 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	160 0	160 0	7 8	8 0

QUANTITIES PER RUPEE IN SERS OF 80 TOLAS.

[illegible]

Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Adampur	15	16	17	18	19	20	21	22	23	24	25	26	27																																																																									

Not sold.

* Not sold.

* At Nowada retail price of salt 8 paise per rupee.

3 In sub-divisions retail prices of salt per rupee are:—Buxar 10 sers, Sasaram 10 sers, and Bhabua 9-8 sers.

† Six pins per bundle

† Six pirs per bundle
‡ In sub-divisions retail prices of salt per rupee are :—Madhubani to seris and Tejapore 11 seris.

At Bangalore retail price of salt 10 annas per rupee.
At At Bettiah retail price of salt 9-8 annas per rupee.

3

RETAIL PRICES FOR THE 2nd HALF OF MAY 1889—continued.

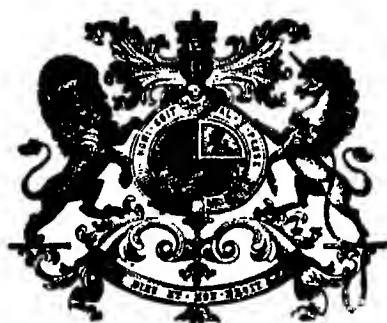
QUANTITIES PER RUPEE IN SERS OF 80 TOLAS.

[illegible]

RETAIL PRICES FOR THE 3RD HALF OF MAY 1944 --- concluded.

[illegible]

• Not sold.



SUPPLEMENT TO The Gazette of India.

No. 29. } CALCUTTA, SATURDAY, JULY 20, 1889.

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GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

RAILWAY TRAFFIC.

RETURNS OF ACCIDENTS ON INDIAN RAILWAYS FOR THE FOURTH QUARTER OF 1888.

No. 298 R. T., dated Simla, the 3rd July 1889.

RESOLUTION—By the Government of India, Public Works Department.

Read again—

Public Works Department Resolution No.	485 R. T., dated 2nd June 1884.
" " " "	559 R. T., dated 20th June 1885.
" " " "	570 R. T., dated 10th June 1886.
" " " "	764 R. T., dated 29th June 1887.
" " " "	866 R. T., dated 20th August 1888.
" " " "	0400 R. T., dated 28th March 1889.

Read also—

Director General of Railways' No. 32 (Statistical), dated the 13th June 1889, forwarding the Abstract Returns of Accidents to Trains, &c., on the open lines of Railway in India for the quarter ended 31st December 1888.

OBSERVATIONS.—As compared with the average of the five* corresponding previous quarters, the number of accidents to trains, rolling-stock, permanent-

* Except where statistics for five quarters are not available for any line.

way, &c., shows an increase of 14, or 2·24 per cent. with an increase of 1,976·5 miles, or 15·84 per cent. in the mean mileage open, and of 1,598,973 miles, or 14·55 per cent., in the train mileage. The following are the Railways on which the more important fluctuations occurred :—

RAILWAY.	Number of accidents.	ACCIDENTS.				TRAIN MILEAGE.	
		Increase.	Decrease.	Per centage of increase.	Per centage of decrease.	Per centage of increase.	Per centage of decrease.
Bengal-Nagpur	30	22	...	275·00	...	58·27	...
Southern Mahratta	37	26	...	236·36	...	113·35	...
North-Western	76	...	62	...	44·93	21·20	...
Eastern Bengal	60	...	11	...	15·49	37·46	...
Great Indian Peninsula	29	...	10	...	25·64	7·91	...
Oudh and Rohilkhand	43	24	...	126·32	...	24·87	...
The Nizam's	19	11	...	137·50	...	35·81	...

2. Of the increase of 22 accidents in the Bengal-Nagpur Railway, 5 were under "Goods trains or parts of goods trains, engines, &c., leaving the rails" and three were under "Trains running over obstructions on the line."

3. On the Southern Mahratta Railway the number of accidents rose from 11 to 37, or 236·36 per cent., with an increase of 424·25 miles, or 98·61 per cent., in the mean mileage worked, and of 215·238 miles, or 113·35 per cent., in the train mileage run. The increase chiefly occurred under "Trains running over cattle on the line" and "Fire in trains," the number recorded under the former being 16 against 5 and under the latter 7 against *nil*.

4. Of the decrease of 62 accidents on the North-Western Railway, 14 appear under "Goods trains or parts of goods trains, engines, &c., leaving the rails" 6 under "Bursting of tubes, &c., of engines"; 8 under "Failure of couplings"; 7 under "Fire in trains"; and 10 under accidents classed as "Other accidents."

5. The decrease on the Eastern Bengal State Railways was mainly due to 17 cattle accidents having been returned against an average of 27 accidents during the five corresponding previous quarters.

6. On the Great Indian Peninsula Railway there was a decrease of 9 accidents under "Goods trains, or parts of goods trains, engines, &c., leaving the rails," and 5 under "Trains running over cattle on the line"; and an increase of 5 under "Fire in trains."

7. On the Oudh and Rohilkhand Railway the number of cattle accidents exhibits the largest increase, being 23 against 9.

8. On His Highness the Nizam's Guaranteed State Railway, the only noticeable difference was an increase from 1 to 6 under "Failure of machinery, springs, &c., of engines."

9. The casualties resulting from accidents to trains, &c., were, among passengers and others, 1 killed and 6 injured against 2 killed and 10 injured, and, among servants, 3 killed and 11 injured, against 3 killed and 7 injured. Of the casualties to passengers, 4 were persons slightly injured on the Burma State Railway in consequence of a down goods train colliding with an up mixed train

which was standing on the platform line at Hpoogyee station, the pointsman having turned the down goods train on to the wrong line.

10. On the Tirhoot State Railway a serious collision took place between a mixed train and 18 wagons at the Motiharee goods-shed line, on the 24th November, 1888, owing to the carelessness of the station staff. Three coolies who were loading goods into the wagons were killed on the spot, and 4 seriously injured.

11. The following table exhibits the number of accidents under the different classes, due to accidents to trains, rolling-stock, permanent-way, &c., and the number of persons killed and injured thereby, *vide* Tables Nos. 3 and 4:—

		Average of corresponding quarters of five previous years.	FOURTH QUARTER 1888.						Total all classes.	
			No.	Number of passengers and others.		Number of servants.		Killed.	Injured.	
				Killed.	Injured.	Killed.	Injured.			
1	Collisions between passenger trains, or parts of passenger trains	1	2	...	1	...	...	...	...	1
2	Collisions between passenger trains, and goods or mineral trains engines and vehicles standing foul of the line	11	7	...	4	3	4	3	8	
3	Collisions between goods trains, or parts of goods trains	15	24	...	...	...	2	...	2	
4	Collisions between light engines	2	5	...	...	...	2	...	2	
5	Passenger trains or parts of passenger trains leaving the rails	20	20	...	...	...	1	...	1	
6	Goods trains, or parts of goods trains, engines, &c., leaving the rails	85	68	...	...	...	...	...	...
7	Trains or engines travelling in the wrong direction through points	12	9	...	...	...	...	...	...
8	Trains running into stations or sidings at too high a speed	2	2	...	...	...	...	...	...
9	Trains running over cattle on the line	198	193	1	...	...	...	1	...	
10	Ditto over obstructions on the line	20	28	...	...	...	...	...	...
11	Ditto through gates at level crossings	11	23	...	...	...	...	...	...
12	The bursting of boilers of engines	21	23	...	...	...	...	...	...
12a	The bursting of tubes, &c., of engines									
13	The failure of machinery, springs, &c., of engines									
14	The failure of tyres	55	61	...	...	...	...	...	...
15	Ditto of wheels	3	6	...	...	...	...	...	...
16	Ditto of axles . . . . .	...	...	...	...	...	...	...	...
17	Ditto of brake apparatus	6	19	...	...	...	...	...	...
18	Ditto of couplings . . . . .	...	...	...	...	...	...	...	...
19	Ditto of tunnels, bridges, viaducts culverts, &c.	42	19	...	...	...	...	...	...
20	Broken rails . . . . .	...	...	...	...	...	...	...	...
21	The flooding of portions of permanent-way	10	9	...	...	...	...	...	...
22	Slips in cuttings or embankments	9	12	...	...	...	...	...	...
23	Fire in trains	4	1	...	...	...	...	...	...
24	Fire at stations, or involving injury to bridges or viaducts	36	41	...	...	...	...	...	...
25	Other accidents	5	12	...	...	...	...	...	...
	1888	56	54	...	1	...	2	...	3	
		...	638	1	6	3	11	4	17	
TOTAL . { Average of corresponding quarters of five previous years* . . . . .		...	624	2	10	3	7	5	17	

* Except where statistics for five quarters are not available for any line.

12. The principal variations occurred under "Collisions between goods trains, or parts of goods trains," 24 against 15; "Goods trains, or parts of goods trains, engines, &c., leaving the rails," 68 against 85; "Trains running through gates at level-crossings, 23 against 11; "Failure of axles," 19 against 6; and Failure of couplings," 19 against 42.

13. The increase under "Collisions between goods trains, or parts of goods trains" was chiefly due to the number of accidents recorded on the Rajputana-Malwa State Railway being 9 against 2.

14. The number of "Goods trains, or parts of goods trains, engines, &c., leaving the rails" principally decreased on the North-Western and Great Indian Peninsula Railways, being on the former 1 against 15, and on the latter 1 against 10. The largest number of accidents of this class occurred on the Dibru-Sadiya Railway, *viz.*, 10 against 9, the average of three corresponding quarters.

15. Of the 23 cases of "Trains running through gates at level-crossings" 8 occurred on the South Indian Railway, and of 61 cases of "Failure of machinery, springs, &c., of engines," 17 occurred on the North-Western Railway, 13 on the Eastern Bengal State Railway and 8 on the South Indian Railway.

16. On the Rajputana-Malwa State Railway, there were 10 cases of "Failure of axles" out of a total of 19.

17. The decrease of 23 accidents under "Failure of couplings" was mainly due to decreases on the Rajputana-Malwa State, North-Western, and Dibru-Sadiya Railways.

18. The number of cases of "Fire in trains" was the largest on the North-Western Railway, *viz.*, 13 out of a total of 41; but as compared with the average of five corresponding previous quarters, there was a decrease of 7 accidents under this head.

19. Of the 54 accidents classified as "Other accidents," 26 have been returned by the Bombay, Baroda and Central India Railway.

20. The casualties to passengers from causes other than accidents to trains, &c., *vide* Table No. 2, were:—

CAUSE OF ACCIDENT.	FOURTH QUARTER, 1888.		AVERAGE OF CORRESPONDING QUARTERS OF FIVE PREVIOUS YEARS.*	
	Killed.	Injured.	Killed.	Injured.
From falling between carriages and platforms	2	4	1	3
Falling on to the platform, ballast, &c., when getting into or out of trains	2	9	2	3
Whilst crossing the line at stations	1	3	...	...
By closing of carriage doors	...	1	...	1
Falling out of carriages during the travelling of trains	6	14	4	13
Other accidents	1	8	2	4
TOTAL	12	39	9	24

* Except where statistics for five quarters are not available for any line.

21. The accidents to servants in the employ of Railways or of Contractors, whilst performing duties connected directly with the transit of passengers and goods, from causes other than accidents to trains, &c., were as follows, *vide* Table No. 2:—

CAUSES OF ACCIDENT.	FOURTH QUARTER, 1888.		AVERAGE OF CORRESPONDING QUARTERS OF FIVE PREVIOUS YEARS.*	
	Killed.	Injured.	Killed.	Injured.
During shunting operations	10	9	5	8
Falling off engines, vans, wagons, &c.	9	12	3	10
Coming in contact with over-bridges, &c., during the travelling of trains . . . . .	...	1	...	1
Coming in contact, while shunting, with vehicles, &c., standing in adjoining lines . . . . .	...	1	...	1
Getting on or off trains, engines, &c.	1	8	3	4
Whilst loading, unloading or sheeting	1	17	1	11
Whilst breaking, spragging, or choking wheels . . . . .	...	1	...	...
Whilst working at cranes or capstans . . . . .	...	3	...	1
Whilst working on the permanent-way or in sidings	1	4	1	4
Whilst walking along the line on the way home, or to work	2	4	2	2
Whilst walking, crossing, or standing on the line	7	11	7	8
Whilst passing between vehicles	1	...	1	1
Whilst attending to the machinery of engines, cleaning them, &c.	1	1	...	4
Whilst attending to gates at level-crossings . . . . .	...	...	1	1
Falling, or being caught between vehicles and platforms . . . . .	...	2	1	2
Falling off ladders, scaffolds, platforms, &c. . . . .	...	7	...	4
By falling of lamps, wagon doors, timber, weights, &c.	2	8	...	5
Whilst coupling or uncoupling wagons	3	8	3	7
Miscellaneous	6	43	4	18
TOTAL	44	140	32	96

22. Of other persons killed and injured by running trains, &c., 1 was killed and 3 injured whilst passing over the line at level-crossings; 41 were killed and 19 injured whilst trespassing on the line; 14 committed suicide, and 2 were injured in attempting to commit suicide; and 4 were killed and 2 injured from miscellaneous causes.

23. The following table exhibits the total number of persons killed and injured from all causes on the whole Indian Railway system, as compared with

* Except where statistics for five quarters are not available for any line.

the average of the corresponding quarters of five previous years, *vide* Table No. 1:—

	FOURTH QUARTER, 1888.		AVERAGE OF CORRESPONDING QUARTERS OF FIVE PREVIOUS YEARS.*	
	Killed.	Injured.	Killed.	Injured.
PASSENGERS.				
From causes beyond their own control . . .	1	10	2	12
From misconduct or want of caution . . .	12	35	9	23
SERVANTS.				
From causes beyond their own control . . .	8	32	2	13
From misconduct or want of caution . . .	39	119	32	91
OTHERS.				
Whilst passing at level-crossings . . .	1	3	1	1
Trespassers, including suicides . . .	55	21	40	11
Other persons	4	2	4	2
TOTAL	120	222	90	153
TOTAL OPEN MILEAGE	14,456½		12,480	
TOTAL TRAIN MILEAGE	12,588,692		10,989,719	

24. In addition to the above, 11 persons are reported to have been killed and 44 injured in yards, workshops, &c., and 138 persons to have died in carriages and at stations from causes unconnected with the working of trains.

RESOLUTION.—The Government of India again notices the number of cases of "Failure of axles" on the Rajputana-Malwa Railway, 10 cases being reported during the quarter out of a total of 19 for all Railways. There was also a noticeable increase on the Rajputana-Malwa Railway under "Collisions between Goods trains or parts of Goods trains."

2. Under "Goods trains or parts of Goods trains, engines, &c., leaving the rails," the Government of India is pleased to observe the decrease on the North-Western and the Great Indian Peninsula Railways.

3. Of 61 cases of "Failure of machinery, springs, &c., of engines," it is noticed that 17 occurred on the North-Western Railway and 13 on the Eastern Bengal Railway. A satisfactory decrease in the number of failures of couplings is shown for the Rajputana-Malwa, North-Western and Dibru-Sadiya Railways.

* Except where statistics for five quarters are not available for any line.

ORDER.—Ordered that this Resolution be communicated, for information, to the Local Governments, Administrations and Officers noted in the margin.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, and Assam.
The Resident at Hyderabad.
The Agents to the Governor General for Central India, Rajputana, and Baluchistan.
The Director General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Central Division.

Ordered also that copies be forwarded for the information of Her Majesty's Government.

Ordered further that this Resolution, with the Abstract Returns, be published in the Supplement to the *Gazette of India*.

M. C. BRACKENBURY, *Major, R.E.*,
Under-Secretary.

Documents accompanying.

Abstract Returns of Accidents for the
fourth quarter of 1888.

Cherra-Companyganj . . . ing previous quarters 1888	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	
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NUMBER of PERSONS reported during the FOURTH QUARTER of 1888 as KILLED or INJURED on the several RAILWAYS of practicable, the nature and causes

Serial Number.	RAILWAYS.	PASSENGERS.																									
		From accidents to trains, &c. See Table No. 4.	FROM CAUSES OTHER THAN ACCIDENTS TO TRAINS, &c.											From accidents to trains, &c. See Table No. 4.													
			1.—From falling between carriages and platforms.	2.—Falling on to the platform, ballast, &c., when getting into or out of trains.	3.—Whilst crossing the line at stations.	4.—By closing of carriage doors.	5.—Falling out of carriages during the travelling of trains.	6.—Other accidents.	Total.	TOTAL PASSENGERS.	1.—During shunting operations.	2.—Falling off engines, vans, wagons, &c.	3.—Coming in contact with over-bridges, &c., during the travelling of trains.		4.—Coming in contact, while shunting, with vehicles, &c., standing in adjoining lines.	5.—Getting on or off trains, engines, &c.											
Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.		
STATE IMPERIAL.																											
1	East Indian (a)	1		1	7	1	2	1	3	8	12	3	13		8	1	1	2							1		
2	Rajputana-Malwa (b)		1						1	3	1	4	4			2											
3	Bengal-Nágpur (c)																										
4	Mysore																										
5	Southern Mahratta (d)									1		1	1		1		1	1									
6	Indian Midland								1			1	1		1		1										
7	North-Western (e)			2		1	1		3			7	7		1	4		1									
8	Wardha Coal																										
STATE PROVINCIAL.																											
9	Lucknow-Sitapur-Sihraunau																									1	
10	Eastern Bengal Railways (f)			2	1							1	2	1	2		1	1	1					1			
11	Nalhati																										
12	Tirhoot					1						1	1		3	4											
13	Burma		4										4				1										
14	Jorhát	1											1														
15	Cherra-Companyganj																										
GUARANTEED COMPANIES.																											
16	Madras															1	1	1	2								
17	South Indian (g)	1							1	2		1	2	1	3			1									
18	Great Indian Peninsula (h)		1					1	1	2	1	4	3	7	7	2	1	2	2	1						4	
19	Bombay, Baroda and Central India								1			1		1					2			1					
20	Oudh and Rohilkhand								1			1		1		2	1		1								
ASSISTED COMPANIES.																											
21	Darjeeling-Himalayan																		1								
22	Deoghur																										
23	Bengal and North-Western								1	1			1	1	1				1								
24	Rohilkhand-Kumaun (i)																										
25	Thabon-Duyinzalik																										
26	Dibru-Sadiya																										
NATIVE STATES.																											
27	The Nizam's (Guaranteed Company)								1			1		1												2	
28	The Gaskwar's																										
29	Bhāvnagar-Gondal-Junágrah-Porbandar																	1									
30	Morvi																										
31	Jodhpore																										
TOTAL		1	6	2	4	2	9	1	3	1	6	14	1	8	12	39	13	45	8	11	10	9	9	12	1	1	8
1888		2	11	1	3	2	3		1	4	13	2	4	9	24	11	35	2	8	5	8	3	10		1	1	8
Average for 5 corresponding previous quarters (j)																											

(a) Includes Sindia, Patna-Gya, Dildarnagar-Ghazipur and Tirakotwar Railways.
 (b) " Cawnpur-Achhnera and Mohana-Vadnagar Railways.
 (c) " Katni-Umaria Railway.
 (d) " Betwa-Khuna Railway.
 (e) " Amritsar-Patankot and Bājpur-Dhatinda Railways.

in INDIA, distinguishing between PASSENGERS, RAILWAY SERVANTS, and OTHER PERSONS, and classifying, as far as possible, the CAUSES occasioning the DEATH or INJURY.

(f) Includes Northern Bengal, Dacca, Kaunia-Dharla, Amam-Bihar and Bengal Central Railways.
 (g) " Cuddapah-Nellore Railway.
 (h) " Dhond-Mumad, Bhopal-Jaipur, Khamsang and Amritoli Railways.
 (i) " Secunder-Pillbait Railway.

TABLE No. 3.

ACCIDENTS TO TRAINS, ROLLING-STOCK, PERMANENT-WAY, &c., reported during the FOURTH QUARTER of 1888 as having occurred on the several RAILWAYS open for Traffic in INDIA, distinguishing the different Classes of ACCIDENTS, and the Number of PASSENGERS AND OTHERS, and of RAILWAY SERVANTS, KILLED OR INJURED in each Class of ACCIDENT.

SEE ALSO TABLE No. 4.

STATE INTERNAL.

	EAST INDIA (a)						RAJPUTANA-MALWA (b)						BENGAL-NAGPUR (c)						MYSORE						SOUTHERN MARRATTA (d)					
	Number of Passengers and others.			Number of Servants.			Number of Passengers and others.			Number of Servants.			Number of Passengers and others.			Number of Servants.			Number of Passengers and others.			Number of Servants.			Number of Passengers and others.			Number of Servants.		
	No.	Killed.	Injured.	No.	Killed.	Injured.	No.	Killed.	Injured.	No.	Killed.	Injured.	No.	Killed.	Injured.	No.	Killed.	Injured.	No.	Killed.	Injured.	No.	Killed.	Injured.	No.	Killed.	Injured.	No.	Killed.	Injured.
1. Collisions between passenger trains, or parts of passenger trains	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2. Collisions between passenger trains and goods or mineral trains, engines, and vehicles standing on the line	5																													
3. Collisions between goods trains, or parts of goods trains	1																													
4. Collisions between light engines	3																													
5. Passenger trains, or parts of passenger trains, leaving the rails	2																													
6. Goods trains, or parts of goods trains, engines, &c., leaving the rails	5																													
7. Trains or engines travelling in the wrong direction through points	2																													
8. Trains running into stations or sidings at too high a speed	8																													
9. Ditto over cattle on the line	4																													
10. Ditto over obstructions on the line	33																													
11. Ditto through gates at level-crossings	6																													
12. The bursting of boilers of engines	8																													
13. (a). Ditto of tubes, &c., of engines	1																													
13. The failure of machinery, springs, &c., of engines	8																													
14. Ditto of tyres	1																													
15. Ditto of wheels	10																													
16. Ditto of axles	5																													
17. Ditto of brake apparatus	4																													
18. Ditto of couplings	1																													
19. Ditto of tunnels, bridges, viaducts, culverts, &c.	1																													
20. Broken rails	1																													
21. The flooding of portions of permanent-way	1																													
22. Slips in cuttings or embankments	2																													
23. Fire in trains	1																													
24. Fire at stations, or involving injury to bridges or viaducts	1																													
25. Other accidents	4																													
TOTAL ALL CLASSES	32	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
number of Passenger miles																														
" of Servants employed																														
win mileage of all descriptions																														
(c) Includes Shudra, Peta-Gya, Bidamara-Ghatiger and Tarkashwar Railways.																														

(c) Includes Shudra, Peta-Gya, Bidamara-Ghatiger and Tarkashwar Railways.

SEE ALSO TABLE NO. 4.

GUARANTEED COMPANIES.

	MADRAS.				SOUTH INDIAN (c)				GREAT INDIAN PENINSULA (b)				BOMBAY, BARODA AND CENTRAL INDIA.				OTHER AND RAILWAYS.			
	Number of Passengers and others.		Number of Servants.		Number of Passengers and others.		Number of Servants.		Number of Passengers and others.		Number of Servants.		Number of Passengers and others.		Number of Servants.		Number of Passengers and others.		Number of Servants.	
	No.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Total All Classes.
1. Collisions between passenger trains, or parts of passenger trains.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Collisions between passenger trains and goods or mineral trains, engines, and vehicles standing foul of the line.	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Collisions between goods trains, or parts of goods trains.	..	..	..	..	3	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..
4. Collisions between light engines.	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Passenger trains, or parts of passenger trains, leaving the rails.	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Goods trains, or parts of goods trains, engines, &c., leaving the rails.	8	..	..	..	3	..	..	..	1	..	..	..	..	..	..	..	2	..	..	..
7. Trains or engines travelling in the wrong direction through points.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
8. Trains running into stations or sidings at too high a speed.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9. Ditto over cattle on the line.	16	..	..	..	18	..	..	..	9	..	..	..	..	..	..	..	1	..	..	..
10. Ditto over obstructions on the line.	1	..	..	..	2	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
11. Ditto through gates at level-crossings.	2	..	..	..	8	..	..	..	2	..	..	..	..	..	..	..	23	..	..	..
12. The bursting of boilers of engines.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..
13. The bursting of tubes, &c., of engines.	..	..	..	..	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. The failure of machinery, springs, &c., of engines.	..	..	..	..	8	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
15. Ditto of tyres.	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
16. Ditto of wheels.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Ditto of axles.	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Ditto of brake apparatus.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19. Ditto of couplings.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20. Ditto of tunnels, bridges, viaducts, culverts, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21. Broken rails.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22. The flooding of portions of permanent-way.	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. Slips in cuttings or embankments.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24. Fire in trains.	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25. Fire at stations, or involving injury to bridges or viaducts.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26. Other accidents.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL ALL CLASSES.	41	..	..	..	64	..	..	..	29	..	..	..	34	..	..	..	43	..	..	..
Number of Passenger miles.	79,164,477				67,109,445				135,607,949				64,704,372				53,877,650			
" of Servants employed.	6,465				9,596				26,569				6,313				6,676			
Train mileage of all descriptions.	615,848				544,498				2,371,980				545,986				688,161			

DAKSHIN-HIMALAYAN, BENGAL AND NORTH-WESTERN, ROMANOFF-KAMAZOV, (a) TEASAR-DOTIRAN.

SEE ALSO TABLE NO. 4.

ASSISTED COMPANIES.

	DAKSHIN-HIMALAYAN.				BENGAL AND NORTH-WESTERN.				ROMANOFF-KAMAZOV. (a)				TEASAR-DOTIRAN.			
	Number of Passengers and others.		Number of Servants.		Number of Passengers and others.		Number of Servants.		Number of Passengers and others.		Number of Servants.		Number of Passengers and others.		Number of Servants.	
	No.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Total All Classes.
1. Collisions between passenger trains, or parts of passenger trains
2. Collisions between passenger trains and goods or mineral trains, engines, and vehicles standing foul of the line
3. Collisions between goods trains, or parts of goods trains
4. Collisions between light engines
5. Passenger trains, or parts of passenger trains, leaving the rails	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Goods trains, or parts of goods trains, engines, &c., leaving the rails
7. Trains or engines travelling in the wrong direction through points
8. Trains running into stations or sidings at too high a speed	6	..	..	..	1	..	..	..	..	..	..	..
9. Ditto over cattle on the line	1	..	..	..	..	..	..	..	..	..	..	..
10. Ditto over obstructions on the line
11. Ditto through gates at level-crossings	4	..	..	..	..	..	..	..	..	..	..	..
12. The bursting of boilers of engines
13. (a). Ditto of tubes, &c., of engines
14. The failure of machinery, springs, &c., of engines
15. Ditto of tyres
16. Ditto of wheels
17. Ditto of axles
18. Ditto of brake apparatus
19. Ditto of couplings
20. Ditto of tunnels, bridges, viaducts, culverts, &c.
30. Broken rails
31. The flooding of portions of permanent-way
32. Slips in cuttings or embankments
33. Fire in trains
34. Fire at stations, or involving injury to bridges or viaducts
35. Other accidents
TOTAL ALL CLASSES	5	..	..	..	11	..	..	..	2	..	..	..	..	..	..	..
Number of Passenger miles	395,370	..	..	..	16,980,369	..	..	..	2,200,923	..	..	..	30,833	..	..	..
Number of Servants employed	508	..	..	..	3,541	..	..	..	795	..	..	..	50	..	..	..
Min mileage of all descriptions	31,403	..	..	..	175,117	..	..	..	21,012	..	..	..	1,920	..	..	..

SEE ALSO TABLE No. 4.

	ASSISTED COMPANIES—cont'd.				THE Nizam's (GUARANTEED COMPANY).				THE GAWWAH'S.				BRITISH GUARANTEE—JESAJAN-PORABANA.			
	DIBRU-SADIYA.		TOTAL ALL CLASSES.		No.		Number of Passengers and others.		Number of Servants.		No.		Number of Passengers and others.		Number of Servants.	
	No.	Number of Passengers and others.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Killed.	Injured.	Total All Classes.	No.	Killed.	Injured.	Killed.	Injured.
1. Collisions between passenger trains, or parts of passenger trains standing foul of the line	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Collisions between passenger trains and goods or miners' trains, engines, and vehicles	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3. Collisions between goods trains, or parts of goods trains	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Collisions between light engines	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Passenger trains, or parts of passenger trains, leaving the rails	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Goods trains, or parts of goods trains, engines, &c., leaving the rails	10	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
7. Trains or engines travelling in the wrong direction through points	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Trains running into stations or sidings at too high a speed	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..
9. Ditto over cattle on the line	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10. Ditto over obstructions on the line	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. Ditto through gates at level-crossings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12. The bursting of boilers of engines	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13. The bursting of tubes, &c., of engines	..	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..
14. The failure of machinery, springs, &c., of engines	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15. Ditto of wheels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16. Ditto of axles	..	..	..	..	..	3	..	..	..	..	..	..	..	..	..	..
17. Ditto of brake apparatus	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
18. Ditto of couplings	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19. Ditto of tunnels, bridges, viaducts, culverts, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20. Broken rails	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
21. The flooding of portions of permanent-way	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22. Slips in cuttings or embankments	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23. Fire in trains	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24. Fire at stations, or involving injury to bridges or viaducts	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25. Other accidents	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL ALL CLASSES	23	..	..	..	..	19	..	..	..	..	..	5	..	..	..	..
Number of Passenger miles	..	624,567	..	..	..	..	12,558,978	..	..	..	..	..	9,630,854	..	..	..
" of Servants employed	..	745	..	..	..	..	1,686	..	..	..	..	..	791	..	..	..
Train mileage of all descriptions	..	26,135	..	..	..	..	133,678	..	..	..	..	..	93,830	..	..	..

TABLE No. 5.—ACCIDENTS TO TRAINS, ROLLING-STOCK, PERMANENT-WAY, &c., reported during the FOURTH QUARTER of 1888, &c.—concluded.

SEE ALSO TABLE NO. 4.											
TOTAL ALL RAILWAYS.											
NATIVE STATES—contd.											
MORVEL.						JOBEPORH.					
No.	Number of Passengers and others.		Total All Classes.	No.	Number of Passengers and others.		Total All Classes.	No.	Number of Passengers and others.		Total All Classes.
	Killed.	Injured.			Killed.	Injured.			Killed.	Injured.	
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TABLE No. 4.

TABLE

ACCIDENTS TO TRAINS, ROLLING-STOCK, PERMANENT-WAY, &c., on the several RAILWAYS open for traffic in INDIA during the FOURTH QUARTER 1888.
Number of RAILWAY SERVICES.

RAILWAYS.	1.—Collisions between passenger trains, or parts of passenger trains.	2.—Collisions between passenger trains and goods or mineral trains, engines, and vehicles standing foul of the line.	3.—Collisions between goods trains, or parts of goods trains.	4.—Collisions between light engines.	5.—Passenger trains, or parts of passenger trains, leaving the rails.	6.—Goods trains, or parts of goods trains, engines, &c., leaving the rails.	7.—Trains or engines travelling in the wrong direction through points.	8.—Trains running into stations or sidings at too high a speed.	9.—Trains running over cattle on the line.	10.—Trains running over obstructions on the line.	11.—Trains running through gates at level-crossings.	12.—The bursting of boilers of engines.	13.—The bursting of tubes, &c., of engines.	14.—The failure of machinery, springs, &c., of engines.	15.—The failure of tyres.	16.—The failure of wheels.	17.—The failure of axles.	18.—The failure of brake apparatus.	19.—The failure of couplings.	20.—The failure of tunnels, bridges, viaducts, or culverts, &c.	21.—Broken rails.
STATE IMPERIAL.																					
East Indian (a)	1	...	5	...	1	3	2	...	8	4	...	...	...	...	1	...	...	...	4	...	...
Rajputana-Malwa (b)	9	1	12	5	...	...	33	6	3	...	1	8	...	...	10	...	5	...	1
Bengal-Nágpur (c)	1	8	...	1	5	3	...	...	1	2	1	...	...	...	2	...	1
Mysore	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...
Southern Mahratta (d)	1	...	...	2	1	...	...	16	1	1	...	2	...	...	...	...	...	...	...	...
Indian Midland	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...
North-Western (e)	1	1	2	...	3	1	...	...	25	...	3	...	8	17	...	...	...	...	...	...	...
Wardha Coal
STATE PROVINCIAL.																					
Lucknow-Sitapur-Sihramau	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Eastern Bengal Railways (f)	3	1	...	4	4	...	17	4	...	...	13	...	1	...	2	...	4	...	...
Nalhati	1	...	...	...	...	...	...	1	...	...	2	...	...	...	...	...
Tirhoot	1	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	2	...	...
Burma	1	...	1	...	3	...	...	1	1	2	...	2	...	...	...	...	...	...	...	...
Jorhat	3	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Cherra-Companyganj
GUARANTEED COMPANIES.																					
Madras	2	...	1	2	8	...	...	16	1	2	...	...	...	1	...	1	...	...	...	...
South Indian (g)	3	...	...	3	...	...	18	2	8	...	7	8	...	...	1	...	...	...	...
Great Indian Peninsula (h)	1	...	...	1	...	...	9	1	2	...	...	1	2	...	...	...	...	...	...
Bombay, Baroda and Central India	1	...	...	2	1	...	...	1	1	...	...	...	...	...	...	...
Oudh and Rohilkhand	1	...	1	...	2	1	...	23	2	2	...	2	...	...	...	...	...	...	...	...
ASSISTED COMPANIES.																					
Darjeeling-Himalayan	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Deoghur
Bengal and North-Western	6	1	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Rohilkhand-Kumaon (i)	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Thakón-Duyinsáik
Dibru-Sadiya	3	10	...	...	2	2	...	...	...	2	...	...	...	...	...	...	...
NATIVE STATES.																					
The Nizam's (Guaranteed Company)	2	...	...	5	...	...	...	...	5	...	...	3	...	1	...	...
The Gackwar's
Bhánagar-Gondal-Junágarh-Forbánder	5	...	...	...	...	...	...	...	...	...	...	...	...
Morvi	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jodhpore (j)	1	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL 1888	2	7	24	5	20	68	9	2	183	28	23	...	23	61	6	...	19	...	10	...	...
Average for 5 corresponding previous quarters (j)	1	11	15	2	20	65	12	2	198	20	11	...	21	55	3	...	6	...	42	...	...

(a) Includes Sindia, Patna-Gya, Dindarwar-Ghásipur and Tárakshwar Railways.

(b) " Cawnpore-Achua and Mehsana-Vadnagar Railways.

(c) " Kani-Umaria Railway.

(d) " Bellary-Kisina Railway.

(e) " Amritsar, Dehli and Dibrugarh Railways.

4.

STATE of 1888, distinguishing the different Classes of ACCIDENTS, the Number of PASSENGERS and OTHERS and the DEAD OR INJURED thereby.

22.—Slips in cuttings or embankments.				23.—Fire in trains.				24.—Fire at stations, or involving injury to bridges or viaducts.				25.—Other accidents.				TOTAL ALL CLASSES.				PER MILE OPEN.				TOTAL PASSENGERS.							
																NUMBER OF PASSENGERS AND OTHERS.															
																Killed.				Train mileage of all descriptions.				PER MILE OPEN.				TOTAL PASSENGERS.			
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																Killed.															

(S) Includes Northern Bengal, Imoos, Kaunia-Dharila, Assam-Bihar, and Bengal Central Railways.
 (B) " Cuddapah-Nelure, but excludes Pondicherry Railway.
 (D) " Dhond-Mannad, Bhopal-Jabal Khamsan, and Amritsar Railways.
 (E) " Bareilly-Pilibhit Railway.
 (F) " Except where statistics for 5 quarters are not available for any line.



SUPPLEMENT TO
The Gazette of India.

No. 30.} CALCUTTA, SATURDAY, JULY 27, 1889.

OFFICIAL PAPERS.

A SUPPLEMENT to the GAZETTE OF INDIA will be published from time to time, containing such Official Papers and information as the Government of India may deem to be of interest to the Public, and such as may usefully be made known. The Debates of the Legislative Council of His Excellency the Governor General will in future be published in PART VI of the GAZETTE.

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DEPARTMENT OF FINANCE AND COMMERCE.

Comparative Statement of the Net Indian Sea and Land Customs Revenue (excluding Salt Revenue) for the first three months of the official year 1889-90, and of the eighteen preceeding years.
(IN THOUSANDS OF RUPEES.)

YEAR.	BOMBAY.				SINDH.				MAHARAS.				BURMA.				TOTAL BRITISH INDIA.			
	On Imports of Liquors.	On other Imports.	On Exports.	Total Revenue.	On Imports of Liquors.	On other Imports.	On Exports.	Total Revenue.	On Imports of Liquors.	On other Imports.	On Exports.	Total Revenue.	On Imports of Liquors.	On other Imports.	On Exports.	Total Revenue.	On Imports of Liquors.	On other Imports.	On Exports.	Total Revenue.
1871-72	2,46	16,87	5,35	24,68	2,37	7,46	1,11	10,94	27	24	32	83	94	2,09	3,89	7,82	35	1,11	6,69	8,15
1872-73	3,19	15,58	5,68	24,45	1,52	10,34	1,09	12,05	26	22	79	1,27	1,03	3,37	3,16	7,56	91	1,27	11,85	14,03
1873-74	2,24	15,12	3,85	21,21	1,69	8,65	1,12	11,46	30	15	29	74	1,05	3,42	3,86	8,33	90	1,19	11,04	13,13
1874-75	3,06	16,42	3,38	22,86	1,70	8,74	1,01	11,45	30	11	26	67	91	3,70	3,21	7,82	1,11	1,79	8,09	10,99
1875-76	3,08	19,81	4,36	27,25	1,88	10,38	2,88	15,14	28	28	66	1,22	1,13	3,60	3,02	8,05	1,10	1,08	14,60	16,78
1876-77	3,38	15,70	2,60	21,74	2,08	9,12	44	11,64	34	14	7	55	1,47	3,30	2,26	7,03	1,30	1,40	9,92	12,62
1877-78	3,80	19,07	3,06	25,93	2,61	10,60	47	13,68	55	22	13	90	1,35	1,85	48	3,08	1,38	1,56	8,49	11,43
1878-79	3,39	16,13	3,44	22,96	2,27	10,62	58	13,47	48	11	9	68	1,51	2,60	1,14	5,25	2,12	1,84	9,96	13,92
1879-80	2,89	15,23	1,93	20,05	2,40	8,32	63	11,35	71	21	7	99	1,30	1,91	1,30	4,51	1,84	1,46	12,40	15,70
1880-81	3,33	12,91	1,85	18,17	2,29	10,75	53	13,57	1,21	25	8	1,54	1,41	2,49	2,44	6,34	1,32	1,87	12,64	15,83
1881-82	3,59	13,46	3,15	20,20	2,85	10,55	58	14,28	1,14	36	11	1,61	1,24	2,51	2,14	5,89	1,90	1,91	13,82	17,63
1882-83	3,85	1	3,42	7,28	3,02	—68*	50	2,84	92	2	18	1,12	1,42	...	1,11	2,83	2,32	1	16,09	21,32
1883-84	3,63	2	4,81	8,46	2,82	15	34	3,31	97	1	16	1,14	1,27	1	1,55	2,83	2,25	5	15,64	17,04
1884-85	3,08	10	2,51	5,69	2,75	13	54	3,42	1,17	2	15	1,34	1,22	3	1,93	3,18	2,14	3	10,89	13,66
1885-86	3,47	3	3,08	6,58	3,00	14	27	3,41	1,08	1	24	1,33	1,24	2	64	1,90	1,63	...	14,15	15,78
1886-87	3,32	5	2,61	6,16	3,08	16	41	3,65	1,16	3	27	1,46	1,49	1	1,31	2,81	2,41	—2*	14,07	16,46
1887-88	2,82	10	2,66	5,88	3,53	14	52	4,09	1,37	3	21	1,1	2,24	...	1,25	3,49	2,71	1	13,85	16,57
1888-89	3,63	1,08	4,60	9,37	3,70	1,17	47	5,34	1,19	21	17	1,57	2,49	19	1,24	3,92	2,47	30	8,87	11,64
1889-90	3,50	1,85	3,57	8,92	4,06	90	72	5,68	1,39	26	21	1,86	2,40	2	1,62	4,04	2,16	73	15,23	18,12

* The amount refunded is greater than the duty collected.

DEPARTMENT OF FINANCE AND COMMERCE,

STATISTICAL BRANCH;

Calcutta, 23rd July, 1889.

E. J. SINKINSON,
Offg. Secretary to the Government of India.

INDEX TO
The Gazette of India.

JULY TO DECEMBER 1889.

CONTENTS OF INDEX.

	Page
INDEX TO GAZETTE OF INDIA, FROM JULY TO DEC. 1889, PART I . . .	1
Governor General's Orders and Notifications—	
Military Secretary's Office	45
Legislative Department	ib.
Home Department	ib.
Foreign Department	46
Military Department	47
Marine Department	ib.
Public Works Department	ib.
Revenue and Agricultural Department	48
Department of Finance and Commerce	ib.
Specifications of Inventions	49
INDEX TO GAZETTE OF INDIA, FROM JULY TO DEC. 1889, PART II . . .	53
DITTO PART III . . .	63
DITTO PART IV . . .	65
DITTO PART V . . .	67
DITTO PART VI . . .	69
INDEX TO GAZETTE OF INDIA EXTRAORDINARY, FROM JULY TO DEC. 1889	71
INDEX TO SUPPLEMENTS TO GAZETTE OF INDIA, FROM JULY TO DEC. 1889	73

INDEX TO

The Gazette of India.

JULY TO DECEMBER, 1889.

PART I.

	Page		Page
A			
ANDRETT, Maj. G. M., promn. of — to lt.-col., B.S.C., approved	424	Act IV of 1884 (Explosives):—Addns. to certain rules under sec. 5 of —	377
Abdul Kadir, private, 21st regt., Madras infy., granted medal	512	Act VI of 1886 (Births, Deaths, and Marriages Registration):—Appts. made under secs. 13 and 24, sub-sec. (2)	411, 468, 606
Abdul Kadir, private, 31st regt., Madras light infy., granted medal	512	Act X of 1888 (to amend Code of Civil Procedure and Presdy. Small Cause Court Act, 1882):—Secs. 1 and 3 extended to chief comr.-ship of Andaman and Nicobar Islands	402
Abdullah Khan, resaidar, Aden troop, admt'd. to 2nd class of Order of British India with title of "Bahadur"	447	Act II (Bengal Council) of 1889 (for protection of right of fishing in private waters) extended to territories under the administration of chief comr. of Assam	517
Act XXXIV of 1850 (State prisoners) declared to be in force and extended to certain dists. in Madras presdy.	434	Act IV of 1889 (Merchandise Marks Act):—Direction under sec. 16 of —	441
Act II of 1857, sec. 12:—Affiliation of certain educational institutions to Calcutta university authorized under —	427, 428	Act VI of 1889:—Provisions of — applied to civil and milly. station of Bangalore	436
Act III of 1858 (State prisoners) declared to be in force in, and extended to, certain dists. in Madras presidency	434	Act VII of 1889 (Succession Certificate):—Provisions of — applied to civil and milly. station of Bangalore	436
Act V of 1861 (Police) applied to cantt. of Secunderabad, subject to modifications 607; sec. 34 of — specially extended to certain towns in Coorg, 626; extended to certain dists. within the lt.-govr.-ship of the Punjab	600	Act XI.1 of 1889 (Cantt. Act):—Apptt. of day of its coming into force 678; draft of proposed rules under sec. 26, clause 21, of —	678, 685
Act VII of 1870 (Court Fees), sec. 35:—Remission of court fees under — 461; reductions and remissions of court fees under —	506	Adams, Mr. G., offg. comr. of Benares divn., appt'd. to offe. as govr.-genl.'s agent at Benares	606
Act VIII of 1870 (Murder of female infants), sec. 3:—Confirmation of certain rule under —	538	Adams, W. J., 2nd grade apoth., granted furlo. in India (m. c.)	399
Act XV of 1872 (Marriage of Christians):—Appts. made under sec. 56 of —	402, 503	Addis, Mr. H.B., exc. engr., 1st grade, sub. <i>pro tem.</i> , attd. to state rys., transfd. from establt. under govt. of Bengal to that under dir.-genl. of rys.	602
Act XIV of 1874 (Scheduled dists.) declared to be in force in hill tracts of Arakan	450	Adenaredoo, private, 9th regt., Madras infy., granted medal	512
Act XI of 1878 (Arms):—Directions under sec. 17 of —	650, 673, 675	Aggas, Sub-Cond. J. H., ord. dept., on probn., confirmed in present grade	404
Act I of 1879 (Stamps):—Exemption of stamp duties under sec. 8 of — 635; remission and reduction of stamp duties under sec. 8 of —	636	Agnew, Mr. P. D., appt'd. member of B.C.S. and to N.-W. P., Oudh, Punjab and C. P.	625
Act V of 1881 (Probate and Administration):—Provisions of — applied to civil and milly. station of Bangalore	436	Ahmad Ali, Pay-Havildar, to be jemadar, 24th (Punjab) regt. of Bengal infy.	512
Act XII of 1882 (Salt) extended to Calcutta 651; rules published in accordance with sec. 29 of —	651	Ahmad Husain, risaldar-maj., 2nd Bombay lancers, admt'd. to 2nd class of Order of British India, with title of <i>Bahadur</i> 622; date from which admn. of — as above will have effect	655
Act XXI of 1883 (Emigration):—Declaration under sec. 102 of —	526	Ahmadzai Khan, Jemadar, to be subadar, 8th regt., Bengal infy.	670
		Aita Singh Ghale, Havildar, to be jemadar, 43rd Gurkha light infy.	497
		Ajudhia Pershad, Munshi, extra asst. comr., 3rd	

	Page		Page
class, Berar commn., promtd. to extra asst. comr., 2nd class	606	of enrolled list 444; to offe. in class IV, 635; to revert to class V, 684; to offe. in class IV	684
Akitt, T.:—Specfn. of invention filed by —	634	Apear, M. M. O. J., sub-asst. apothy., Bengal, to be 2nd grade asst. apothy.	600
Alah-bakhsh, Jemadar, to be subadar, 1st Bengal infantry	425	Appeals:—Direction regarding transfer of certain — from court of judl. comr., C. P., to high court, N.-W. P.	805
Albert Victor:—Holiday to be observed on the day of arrival at Calcutta of Prince — of Wales	683	Appiah, private, 6th regt., Madras infy., granted medal	512
Alexander, Capt. A. de V., promtd. to maj., B.S.C., subject to H. M.'s approval	670	Appleby, H.:—Specfn. of invention filed by —	532
Alexander, Mr. J. W., exe. engr., 1st grade, N.-W. P. and Oudh, apptd. to offe. as a supdg. engr., with tempy. rank in 3rd class	439	Archer, Lt. C., B.S.C., poll. asst., 3rd class, sub <i>pro. tem.</i> , to offe. as a poll. asst., 2nd class, 503; to be a substantive poll. asst., 3rd class, but to continue to offe. as a poll. asst., 2nd class, 505; to offe. as a poll. asst., 1st class, 581; reverts to offg. poll. asst., 2nd class, 584; to offe. as a poll. asst., 1st class, 585; reverts to offg. poll. asst., 2nd class, 585; to offe. as a poll. asst., 1st class, 585; granted priv. leave	634
Ali-Bakhsh Khan, Havildar, to be jemadar, 16th Bengal infy.	453	Archibald, Revd. W. F., chaplain of church of Scotland, services of — replaced at disp. of govt. of Madras	427
Ali Gauhar Khan, jemadar, from 15th Bengal cavy., to be jemadar, 18th Bengal lancers	655	Ardair Dinshaji Cheney, extra asst. comr., 5th class, Berar commn., apptd. to be extra asst. comr., 4th class	469
Ali Madat Bahadur, subadar, No. 3 (Peshawar) mountain batty., to be subadar-maj. to the arty. of the force 438; admtd. to 1st class of order of British India, with title of <i>Sardar Bahadur</i>	521	Armstrong, Lt. A. K., from South Lancashire regt., admn. of — to B.S.C. as lt. approved	556
Allan, Mr. W. G., depy. consvr. of forests, 2nd grade, N.-W. P. and Oudh, to offe. in 1st grade of depy. consvrs. 467; reverted to depy. consvr., 2nd grade	518	Armstrong, Lt. O. G., promn. of — to capt., B.S.C., approved	440
Allchin, F. W.:—Specfn. of invention filed by —	396	Armstrong, Mr. T. W., apptd. to be 2nd Lt., Delhra Dun mounted rifles	438
Allen, Lt. W. H., promn. of — to capt., B.S.C., approved	445	Aruand, Sub-Cond. P., comst. dept., granted furlo. out of India (m.c.) 618; granted leave to proceed out of India on (m.c.) the furlo. being cancelled	677
Allaop, Mr. J. G. W., apptd. capt., 1st Punjab voltr. rifle corps	600	Asa Singh, jemadar, 24th Bengal infy., on probn., confirmed in that rank	406
Alpin, Surgn. W. G. P., M.D., I.M.S., services of — placed temply. at disp. of govt. of N.-W. P. and Oudh	378	Ashton, Mr. R. P., apptd. 2nd Lt., Coosipore arty. volunteers	619
Aman Khan, Havildar, to be jemadar, 19th (Punjab) regt. of Bengal infy.	655	Aahworth, E.:—Specfn. of invention filed by —	408
Amir Ali, Mr., C.I.E., barrister-at-law, apptd. to act as a puisne judge of high court, Fort William, Bengal	684	Aahworth, G.:—Specfn. of invention filed by —	408
Amir Khan, Jemadar, to be subadar, 21st (Punjab) regt. of Bengal infy.	521	Assam:—Act II (B.C.) of 1889 extended to territories under administration of chief comr. of Assam	517
Andaman and Nicobar Islands:—Secs. 1 and 3 of Act X of 1889 extended to chief comr.-ship of —	402	Atkinson, Mr. E. F. T., to offe. as comptr. and audr.-genl. 598; to revert to class I of acctt.-general	598
Anderson, Lt.-Col. A., Madras genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval	599	Atkinson, Mr. F. J., asst. comptr., Burma, granted priv. leave	519
Anderson, A. R. S., probnr. for I.M.S., apptd. surgn. on Bengal estabt. 531; admn. of — to I.M.S. as surgn. approved 541; reptd. his arrival at Bombay	661	Audain, Lt. G. M., Suffolk regt., a candidate for B.S.C., apptd. to be offg. wing offr. on probn., 5th infy., Hyderabad contgt.	398
Anderson, Lt.-Col. A. W. L., Madras genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval	663	Austin, Capt. G. B., promtd. to maj., B.S.C., subject to H. M.'s approval 399; promn. of — to maj., B.S.C., approved	557
Anderson, W.:—Specfn. of invention filed by —	583	Austin, Lt. H. H., R.E., apptd. to mily. works dept. as asst. engr., 2nd grade, tempy.	542
Anderson, Col. W. C., O.B., B.S.C., granted extn. of furlo. or leave (p. a.)	462	Austin, Revd. P. G. B., a junr. chaplain on Bengal eocl. estabt., reptd. his arrival at Calcutta	581
Anderson, Capt. W. R. L., Bo.S.C., mily. acctt., 2nd class, 1st grade, tenure of apptd. of depy. acctt.-genl. held by — is extended 646; graded as mily. acctt., 3rd class	685	Asima, Havildar, promtd. to be jemadar, Merwara battalion	540
Andrew, Lt. A. W., offg. wing offr., on probn., 2nd infy., Hyderabad contgt., apptd. to be offg. squad. offr., on probn., 1st cavy.	461	Asimullah Khan, Resaidar, to be risaldar, 18th Bengal lancers	622
Anthoney, private, 23rd regt., Madras light infy., granted medal	512		
Anthony, Mr. A. H., asst. comptr.-genl., attd. to paper currency office at Calcutta, apptd. to offe. as comptr., Hyderabad, 403; to offe. in class III			

B

Babington, Lt.-Col. S., Bo.S.C., retirement of — approved	446
Baddock, Lt. F. F., Wiltshire regt., offg. wing offr.,	

	Page		Page
1st battn., 5th Gurkha regt., Punjab frontier force, admt'd. to B.S.C. subject to confirmation 399; admn. of — to B.S.C., as lt. approved	629	Eandhuji Janardan Chaoval, extra asst. comr., 3rd class, Herar commn., apptd. to be an extra asst. comr., 2nd class	469
Baden-Powell, Mr. B. H., permtd. to resign. H. M.'s Bengal Civil Service	466	Banerjee, Hon'ble Dr. G. D., a judge of high court, Fort William Bengal, obtained furlo. on m. c.	626
Bader, Mr. F. R., asst. engr., 2nd grade, posted to Madras	648	Bangalore :—Orders called the — Measures of Length Law, 1880, 428; provisions of Probate and Admn. Acts, V of 1881 and VI of 1889, and Succession Certi. Act, VII of 1869, so far as applicable, applied to civil and mily. station of —	436
Badgley, Col. W. F., B.S.C., retirement of — approved	446	Bannerman, Lt. A. D'A.G., offg. squad. offr., on probn., 2nd regt., C.I. Horse, granted leave in India on (m. c.) 397; granted leave to Bombay to study native languages	444
Baghel Singh, Subadar-maj., 40th regt., Bengal infy., admt'd. to 2nd class of Order of British India with title of <i>Bahadur</i>	522	Barker, Mr. F. S., depy. consvr. of forests, 4th grade, services of — placed permtdly at disp. of chief comr. of C. P.	675
Bagshawe, Mr. C., consvr. of forests, 3rd grade, central circle, N.-W.-P. and Oudh, to offe. in 2nd grade	460	Barnes, Mr. H. S., poll. agent, 2nd class, sub. <i>pro tem.</i> , to offe. as a poll. agent, 1st class, 503; to be a substantive poll. agent, 2nd class, and to continue to offe. as under-secy. to govt. of India in foreign dept. 554; to offe. as a poll. agent, 1st class, 606; apptd. to offe. as under-secy. to govt. of India in foreign dept. 635; apptd. secy. to govt. of India in foreign dept., sub. <i>pro tem.</i>	608
Bagshawe, Lt.-Col. S. L., Madras genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 497; promn. of — to col., approved	678	Barrett, Mr. A., professor of English literature in Elphinstone college, Bombay, apptd. to offe. as dir. of public instn., Hyderabad assigned dists.	427
Bahádur Khan, Havildar, to be jemadar, 6th Punjab infy., Punjab frontier force	663	Barrow, Capt. and Bt.-Maj. A. F., C.M.G., promtd. to maj., B.S.C., subject to H. M.'s approval 453; promn. of — to maj., B.S.C., approved	629
Bahádur Khawán, Jemadar, to be subadar, 2nd battn., 2nd Gurkha regt. (Sirmoor rifles)	622	Barrow, Maj. F., promtd. to lt.-col., B.S.C., subject to H. M.'s approval	622
Baháud-din Khan, <i>Bahadur</i> , risaldar-maj., 1st regt., C. I. Horse, admt'd. to 1st class of Order of British India with title of Sardar Bahadur	521	Barrow, Mr. O. T., to offe. as acctt.-genl., class II, 519; promtd. to enrolled offr., class II, 519; to offe. in class III of acctt.-genl.	635
Bahrám Khan, Havildar, to be jemadar, 25th Bengal infantry	399	Barrow, Mr. W. D., exe. engr., 4th grade, <i>tempy. rank</i> transfd. to estab. under govt. of Madras for employment on East coast surv. 544; above transfer cancelled	589
Bahrám Singh, Jemadar, to be resaidar, 2nd Bengal cavalry	509	Barrow, Mr. W. F. exmr. of acctt., att'd. to office, c ² exmr. of p. w. acctt., offe. N.-W.-P. and Oudh, apptd. to offe. as exmr. of acctt., Tirhoot state ry., 439; promtd. to exmr., 4th class, 2nd grade, sub. <i>pro tem.</i> , 463; re-transfd. from Tirhoot state ry. to office of exmr. of p. w. acctt. N.-W.-P., 620; promtd. to exmr., 4th class, 2nd grade, permtd., 658; apptd. to offe. as exmr. of p. w. acctt., Assam	658
Baldon, S. R. :—Specfn. of invention filed by —	435	Bartholomew, Lt.-Col. R., genl. list, cavy., granted extn. of furlo. (m. c.)	646
Bailey, Lt.-Col. F., R.E., consvr. of forests, 2nd grade, to offe. in 1st grade of consvrs., and to resume charge of school circle in N.-W.-P. and Oudh and of forest school in Dehra Dún	675	Bartleman, Lt.-Col. and Col. in the Army W. F., promn. of — to col., Bengal infy., approved	424
Bailey, J. A., 1st grade asst. apoth., Bengal, promtd. to 2nd grade apoth.	599	Bartlett, Mr. T. W., exe. engr., 1st grade, sub. <i>pro tem.</i> , state rys., transfd. from Bengal-Nagpur ry. c. ompty. to Madras govt. for employment on railways	681
Bailey, R. J., exe. engr., 3rd grade, p. w. d., promtd. to exe. engr., 2nd grade, sub. <i>pro tem.</i>	543	Barton, 2nd Lt. T. S., 6th dragoon guards, offg. squad. offr., 3rd Bengal cavy., admt'd. to B.S.C., subject to confirmation 661; and to rank as lt. in B.S.C., subject to H. M.'s approval	661
Imbridge, Col. F. T., B.S.C., permtd. to reside out of India	392	Barwell, Lt. A. R., Manchester regt., offg. wing offr., Deoli irr. force, admt'd. to B.S.C., subject to confirmation 620; apptd. to offe. as adjt. in addn. to his other duties	635
Baines, Mr. H. M., asst. engr., 2nd grade, posted to Madras 648; transfd. to the Punjab	671	Barwise, Mr. J. W., apptd. to act in 2nd grade of depy. post mra.-genl.	669
Baines, Mr. J. A., B.C.S., apptd. census comr. for India	458		
Baird, Lt.-Col. A. W., R.E., F.R.S., offg. mint mr., Calcutta, confirmed in that apptt.	436		
Baker, Supy. Sub-Cond. J., comst. dept., absorbed in grade of sub-condr.	430		
Baker, Surgn.-Maj. O., Bengal estab., civil surgn., Moulmein, apptd. to be joint medl. offr. of Simla	501		
Baker, Col. T. N., B.S.C., placed on list of maj.-genls.	686		
Blagoderon, private, 25th regt., Madras infy., granted medal	513		
Balbir Singh, <i>Raja of Mankot</i> , Risaldar, to be risaldar-maj., 18th Bengal laucers	622		
Baldock, Lt. C. B., from Devonshire regt., admn. of — to B.S.C. as lt. approved	430		
Baldwin, Lt. G. M., Loyal North Lancashire regt., offg. wing offr., 4th Punjab infy., Punjab frontier force, admt'd. to B.S.C., subject to confirmation	555		
Bale, Sub-Cond. R., comst. dept., granted, extn. of Furlo. or leave (m. c.)	531		
Ballardie, D. :—Specfn. of invention filed by —	582		
Bandhan, Havildar, to be jemadar, 33rd regt., Bengal infantry	663		

	Page		Page
Rasant Singh, Color-Havildar, to be jemadar, 1st Sikh infy., Punjab frontier force	431	Becker, Mr. N. H. R., apptd. of — as acting consul for Germany at Calcutta, recognised	428
Rasawa Singh, Havildar, to be jemadar, 28th (Punjab) regt. of Bengal infy.	599	Beckett, Col. S., B.S.C., granted extn. of furlo. or leave (p. a.) 531; permtd. to retire from the service, subject to H. M.'s approval 655; retirement of — approved	679
Basu, Surgn. D., promn. of — to surgn.-maj., Bengal medl. establt., approved	424	Beddy, Col. E., B.S.C., permtd. to reside out of India	622
Bateman-Champain, Lt. A. P., Norfolk regt., offg. wing offr., 2nd battn., 3rd Gurkha regt., admtd. to B.S.C., subject to confirmation, 453; admu. of — to B.S.C. as lt. approved	679	Beg, Private A., 26th regt., Madras infy., granted medal	512
Bates, Lt. W. N. R., M.S.C., 30th Madras infy., to be depy. asst. comay.-genl., 2nd class, on probn.	661	Begbie, Lt.-Col. E. W., Madras infy., promn. of — to col. approved	424
Baugh, Lt.-Genl. F. W., Bengal infy., promtd. to genl. on unemployed supy. list	663	Beg Muhammad Khan, <i>Bahadur</i> , risaldar-maj., 2nd regt. of cavy., Hyderabad contgt., admtd. to 1st class of Order of British India, with title of "Sirdar Bahadur"	521
Bar, Col. W. I., genl. list, infy., granted extn. of furlo. or leave (p. a.)	497, 588	Bell, Lt. C. T., R.A., to offe. as an ord. offr., 4th class	520
Baxter, Mr. B., exe. engr., 3rd grade, state rys., services of — placed at disp. of govt. of Madras for employment on East coast ry. surv.	515	Bell, Mr. E. A. S., asst. engr., 2nd grade, posted to state rys., 648; services of — placed at disp. of govt. of Madras	648
Bayley, Hon'ble Sir S. C., K.C.S.I., C.I.E., lt.-govr. of Bengal, apptd. to be hony. col., Orissa voltr. rifle corps, 462; apptd. hony. capt., Calcutta naval volunteers	670	Bell, Mr. G. J. H., M.B., I.M.S. (Bengal), offg. medl. offr. of Deoli irr. force, and of Harowtee and Tonk poll. agency, apptd. to offe. as civil surgn. of Bikanir	626
Bayley, Lt. S. F., B.S.C., offg. poll. asst., 3rd class, to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 584; to offe. as a poll. asst., 2nd class, 584; reverts to poll. asst., 3rd class, sub. <i>pro tem.</i> , 584; reverts to offg. poll. asst., 3rd class, 584; to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 585; reverts to offg. poll. asst., 3rd class, 585; to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 585; to offe. as a poll. asst., 2nd class, 586; passed, with credit, in subjects prescribed under clause A, rule II of rules for exmn. of junr. offrs. in poll. dept., 606; posted as asst. to govr.-genl.'s agent and to genl. supdt. of operations for suppression of thagi and dakaiti in Rajputana	668	Bell, Mr. J. R., supdg. engr., 3rd class, sub. <i>pro tem.</i> , apptd. engr.-in-chief of Hyderabad-Umarkot ry. survey	602
Bayly, Mr. W. G., exmr., 4th class, 2nd grade, permtd., superior accts. branch, promtd. to exmr., 4th class, 1st grade, <i>tempy.</i> , 463; promtd. to exmr., class IV, grade I, permtd.	681	Bell, Lt. L. M., Lincolnshire regt., offg. wing offr., 42nd Gurkha light infy., admtd. to B.S.C., subject to confirmation	510
Báz Khan, <i>Bahádur</i> , subadar-maj., 22nd (Punjab) regt. of Bengal infy., admtd. to 1st class of Order of British India with title of <i>Sardar Bahadur</i>	521	Bell, 2nd Lt. R. C., South Lancashire regt., posted to Bo S.C.	631
Báz Khan, jemadar, to be subadar, 6th Punjab infy., Punjab frontier force	663	Bellasis, Maj. G. M., B.S.C., exe. engr., 2nd grade, p. w. d., N.-W. P. and Oudh, granted furlo. out of India (p. a.)	392
Beale, 2nd Lt. W., West Riding regt., probnr. for Indian Staff Corps posted to B.S.C.	437	Bennett, H. W., asst. engr., 1st grade, state ry., promtd. to exe. engr., 4th grade, <i>tempy.</i>	499
Beart, Sub-Cond. F., ord. dept., on probn., confirmed in present grade	462	Bennett, Surgn.-Maj. J., M.D., Bengal medl. establt., altu. of date of promn. of — to rank of bde-surgn. approved 424; granted extn. of furlo. (m. c.) 541; granted extn. of furlo. (m. c.)	646
Beasley, Revd. E. M., chaplain on Bengal ecol. establt., apptd. chaplain of Nowgong, C.I.	667	Bennett, Mr. W. E. T., asst. engr., 1st grade, N.-W. P. and Oudh, <i>tempy.</i> employed in C. P., permtdly. transfd. to that administration	665
Beatson, Surgn. C. H., promn. of — to surgn.-maj., Bengal medl. establt., approved	511	l'ennie, Cond. J. P., ord. dept., granted leave to proceed out of India on p. a.	646
Beauchamp, W. G., 2nd grade offr., I. M., promtd. to be 1st grade offr.	393	Bensley, Surgn. C. N., I.M.S., Bengal establt., services of — placed <i>temply.</i> at disp. of chief comr. of Burma	525
Beaumont, Mr. E. J., 1st grade offr. and asst. survr., 2nd class, marine surv. of India, promtd. to asst. survr., 1st class, sub. <i>pro tem.</i>	439	Benson, Lt. T. C., 2nd battn., Royal Munster Fusiliers, services of — replaced at disp. of milly. department	402
Becher, Mr. A. R., offg. depy. acctt.-genl., p. w. d., apptd. offg. under-secy. to govt. of India, p. w. d., 426; apptd. exmr. of p. w. accts., Bombay, 455; permtdly. promtd. to exmr., class III	665	Pentinck, Lt. R. J., 1st West India regt., posted to Bo S.C.	531
Becher, Lt.-Col. A. W. R., Bengal genl. list, cavy., promtd. to col. in the army, subject to H. M.'s approval	680	Berar:— Extn. of period for which certain cotton and grain market cesses shall be imposed by municipalities established under — municipal law, 1886	25
		Bertram, Mr. J. R., apptd. of — to be in charge of Swedish and Norwegian consulate at Rangoon, recognised	451
		Bewley, Mr. A., asst. engr., 1st grade, attd. to state rys., services of — placed <i>temply.</i> at disp. of govt. of Madras for employment on East coast ry. surv.	515
		Bhagat Singh, <i>Sirdar Bahadur</i> , exe. engr., 3rd grade, sub. <i>pro tem.</i> , p. w. d., promtd. to exe. engr., 3rd grade, permtd.	547

	Page		Page
Bhag Singh, Havildar, to be jemadar, 2nd Sikh infy., Punjab frontier force	599	Bishop, Capt. E., I. M., port offr., Aden, granted extn. of furlo. or leave (m. c.)	498
Bhagu Ram, Havildar, to be jemadar, Bengal sappers and miners	655	Bishop, Lt.-Col. E. B., B.S.C., granted extn. of furlo. or leave (p. a.)	497
Bhagwana, Snbadar, infy., Erinpura irr. force, promtd. to be subadar-maj.	583	Black, Capt. H. S., I. M., granted furlo. out of India (m. c.)	647
Bhanga Singh, Jemadar, to be subadar, No. 2 (Derajat) mountain batty.	438	Black, Maj.-Genl. S., C.S.I., B.S.C., placed on list of lt.-genls.	430
Bharat Singh, Dafadar, to be jemadar, 5th Bengal cavalry	647	Blair, Lt.-Genl. C. R., Bombay infy., transfd. to unemployed supy. list	425
Bhattacharya, Mr. M. N., to revert to class VI of enrolled list, acct. dept., 444; to offe. in class V of enrolled list.	444	Blair, Lt.-Genl. R., Bengal infy., transfd. to unemployed supy. list	424
Bhavnagar-Gondal-Junagad-Porbandar Ry. System:—Orders issued in exercise of jurisdiction over certain lands occupied by—	468	Blake, Hony. Capt. and Depy. Comsary. G., Bengal estabt., granted hony. rank of maj.	429
Bhim Singh Thapa, lance-naik, 42nd Bengal infy. (Gurkha light infy.), admtd. to 3rd class of Order Merit	404	Blaker, 1st grade apoth., correction of second Christian name of —	655
Bhola Singh, Colar-Havildar, to be jemadar, 4th regt., Bengal infy.	670	Blakesley, Mr. E. H., apptd. member of B.C.S. and to N.-W. P., Oudh, Punjab, and C. P.	625
Bhuput Rai, Rai Sahib, asst. engr., 3rd grade, transfd. to estabt. under administration of Burma for employment on rya.	541	Blazland, Lt.-Col. J. S., Madras genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 497; promn. of — to col. approved	678
Bhuri Singh, Havildar, to be jemadar, 37th Bengal infantry	399	Blenkinsop, Lt.-Col. E. G., M.S.C., promtd. to col. in the army, subject to H. M.'s approval 521; to be col.	679
Dickerton, C. H. C., exe. engr., 4th grade, state rya., promtd. to exe. engr., 3rd grade, permtd.	499	Bligh, Mr. W. G., exe. engr., 3rd grade, transfd. to estabt. under administration of Burma for employment on rya.	544
Bidie, Surgn.-Genl. G., M.B., C.I.F., surgn.-genl. with govt. of Madras, good service pension conferred on —	393	Blood, Surgn. J., promn. of— to surgn.-maj., Bengal medl. estabt., approved	424
Biggs, Mr. T. H., to offe. in class II of enrolled list, acct. dept., 510; granted priv. leave	635	Boddam, Col. W. W., B.S.C., admtd. to col.'s allowce.	670
Bignell, Capt. E. D. F., promtd. to maj., B.S.C., subject to H.M.'s approval, 399; granted extn. of furlo. (m. c.) 425; promn. of — to maj. B.S.C., approved	557	Boileau, Lt. F. R. F., R.E., apptd. to mily. works dept. as asst. engr., 2nd grade, tempy.	542
Billings, Lt. C. H., B.S.C., wing offr., 11th regt. of Bengal infy., cantt. magts., 2nd class, sub. <i>pro tem.</i> , N.-W. P. and Oudh, granted furlo. out of India (p. a.)	520	Boileau, Col. F. W., B.S.C., granted extn. of furlo. (m. c.)	510
Bingham, Maj. C. T., B.S.C., depy. consrv. of forests, 1st grade, Burma, apptd. to offe. in 3rd grade of consrvs. and to hold charge of Tenasserim circle 502; and assumed charge of Tenasserim circle 502; correction of date of promn. of —	518	Boileau, Lt. H. E., B.S.C., granted extn. of furlo. or leave (m. c.)	462
Birch, Col. A. J. C., B.S.C., apptd. col. on army staff	654	Bolinarayana Borrah, exe. engr., 4th grade, tempy. rank, p. w. d., promtd. to exe. engr., 4th grade, sub. <i>pro tem.</i>	543
Birch, Surgn.-Maj. E. A., granted extn. of furlo. (m. c.) 392; ditto ditto	685	Bompas, Mr. C. H., apptd. member of B.C.S. and to Bengal, L. P.	625
Birch, Lt.-Col. V., B.S.C., to be col.	679	Bonus, Mr. A. R., B.C.S., services of — tempy. placed at disp. of chief comr. of Burma	427
Birch, Col. W. B., B.S.C., services of — placed at disp. of govt. of the Punjab for employment as an offg. cantt. magts. 442; granted leave to proceed out of India on p. a.	654	Booth, Capt. and Bt.-Maj. L. E. B., West Riding regt., apptd. a.-d.-c. on persnl. staff of maj.-genl. Sir T. D. Baker, K.C.B., comdg. Rawal Pindi dist.	618
Bird, Capt. W. J. B., B.S.C., mily. acct. dept., apptd. to offe. as an asst. secy., mily. acct., 628; graded as mily. acct., 3rd class	685	Borradaile, Lt. H. B., B.S.C., 32nd (Punjab) regt. of Bengal infy. (Pioneers), granted leave to proceed out of India on p. a.	619
Birkbeck, M., exe. engr., 2nd grade, p.w.d., promtd. to exe. engr., 1st grade	543	Borthistle, Depy.-Asst. Comsary. J. W., Madras estabt., granted hony. rank of lt.	404
Bir Singh, Subadar, to be subadar-maj., 1st Sikh infy., Punjab frontier force	431	Bose, Mr. I. C., asst. compt.-genl. in charge of outside audits, posted as asst. acct.-genl., Bengal	506
Biscoe, Maj. J. S., B.S.C., granted extn. of furlo. (m. c.)	437	Bourne, J., specfn. of invention filed by —	526
Bissar Singh, Pay-Havildar, to be jemadar, 16th Bengal infy.	453	Bowden, Mr. H. J. A., asst. engr., 1st grade, transfd. from C. I. and Rajputana to Burma for employment on provl. works	515
Bishn Singh, Havildar, to be jemadar, 35th Bengal infantry	431	Bower, Lt. U. M., B.S.C., granted leave to proceed out of India on p. a.	655
		Bower, Lt. H., B.S.C., leave granted to—is extended	662
		Bown, Surgn. A. T., I.M.S. (Bengal), medl. offr., 37th regt., Bengal infy., apptd. to offe. as medl. offr. of Bhopal battn. and of Bhopal poll. agency, 435; services of — replaced at disp. of mily. dept.	627
		Boyle, Mr. J. B. S., apptd. to be lt., Oudh voltr. rifle corps	532

	Page		Page
Brabson, Surgn. H. M., granted leave to proceed out of India on m. c., 423; granted extn. of furlo. or leave. (p. a.)	628	grade, N.-W. P. and Outh, on spl. leave, promtd. to supdg. engr., 3rd class, p. w. d.	405
Brackenbury, Maj. M. C., R.E., under-secy. to govt. of India, p. w. d., ry. branch, permtd. promtd. from class 1, grade 3, of superior revs. establt. of state rya. to class 1, grade 2	432	Brown, Mr. F. L., exmr., 4th class, 1st grade, permtd., superior acots. branch, promtd. to exmr., 3rd class, temporary	463
Braddon, Mr. J. B., exmr. of p. w. acots., Assam, granted leave on m. c.	658	Brown, Mr. G. E. R. G., apptd. member of B.C.S. and to Burma	626
Bradford, Lt.-Col. and Col. Sir E. R. C., K.C.S.I., M.S.C., apptd. a.-d.-c. to the queen	679	Brown, J. :—Specfn. of invention filed by—	539
Bradstreet, Lt.-Col. C. R., Madras infy., promn. of — to col., Indian army, approved	511	Brown, Mr. J. S., exe. engr., 3rd grade, p. w. d., to offe as depy. manager, 405; promtd. temply. to class I, grade 3, of superior revs. establt.	681
Brassecke, Mr. J., apptt. of — as consul for Denmark at Rangoon, recognised	410	Brown, Bde.-Snrgrn. T. E. B. m.d., Bengal, permtd. to retire from the service, subject to H. M.'s approval	532
Brander, Maj. A. J., B.S.C., granted extn. of furlo. (m. c.)	429	Brown, Lt. W. H., Royal West Kent regt., posted to M.S.C.	618
Brander, Surgn. E. S., m.d., promtd. to surgn.-maj., subject to H. M.'s approval	542	Browne, 2nd Lt. A. P., offg. squad. offr. (on probn.), 1st regt., C. I. Horse, leave to Bombay granted to — to study native languages extended, 397; admtd. to B.S.C., subject to confirmation, 651; and to rank as lt. in B.S.C., subject to H. M.'s approval	654
Branson, Lt.-Col. C. E. D., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval, 511; granted extn. of furlo. (m. c.) 655; promn. of — to col. approved	679	Browne, Capt. C. A. R., R.E., depy. exmr., transf'd. from office of exmr. of acots., mily. works, to that of exmr. of acots., North-Western ry.	620
Branson, Mr. J. C. E., depy. acctt.-genl., Bombay, granted priv. leave, 469; promtd. to be enrolled offr., class III	519	Browne, Lt. H. B., promn. of — to capt., B.S.C., approved	416
Brasier, E. :—Specfn. of invention filed by —	539	Browne, Surgn.-Maj. S. H., m.d., Bengal establt., joint medl. offr. of Simla, apptd. to be prinl. of Lahore medl. college	501
Brasier-Creagh, Lt. G. P., 9th Bengal lancers, extra a.-d.-c., apptd. a.-d.-c. on persnl. staff of viceroy and govr.-genl.	669	Browne, Maj. W. H., B.S.C., granted extn. of furlo. (m. c.)	510
Brassington, Mr. J. W., exe. engr., 1st grade, Rajputana and C. I., temply. employed in Madras, permtd. to retire from the service, 532; promtd. to exe. engr., 1st grade, permtd.	543	Bruce, Capt. A. C., R.E., exe. engr., 3rd grade, mily. works dept., promn. of — to exe. engr., 2nd grade, permtd., sanctioned 589; granted leave out of India on p. a.	622
Bredin, Lt.-Col. A., M.S.C., to be col.	429	Bruce, Mr. W. D., exe. engr., 2nd grade, Bengal, permtd. to retire from the service	426
Bremner, 2nd Lt. D. S., Calcutta voltr. rifle corps, resigns his commu.	454	Brush, 2nd Lt. J. E. R., Royal Irish fusiliers, probnr. for Indian S.C., posted to M.S.C.	437
Brereton, Mr. H. J., to offe. in class III of enrolled list, acct. dept., 444; to offe. in class IV	635	Bryning, H. W. :— Specfn. of invention filed by — 434; ditto ditto	634
Brind, Mr. M. J., offg. supdt., class IV, Indian tel. dept., reverted to his substantive apptt. of asst. supdt., class V, 1st grade	648	Buck, Sir E. C., Kt., secy. to govt. of India in reve. and agri. dept., granted priv. leave 582; returned from priv. leave and assumed charge of his office	650
Broadbent, Maj. J. E., R.E., asst. secy., mily. sect., to offe. as depy. secy.	437	Buckley, Mr. R. B., exe. engr., 1st grade, under secy. to govt. of India, p. w. d., services of — replaced at displ. of govt. of Bengal	681
Broekman, Lt. P. W. D., R.A., wing offr., 5th Bengal infy., admtd. to B.S.C., subject to confirmation 399, admm. of — to B.S.C. as lt. approved	629	Budda, Bahadur, Subadar-maj., Merwara battn., admtd. to 1st class of Order of British India with title of <i>Sirdar Bahadur</i>	521
Broekman, W. D., supdg. engr., 2nd class, p. w. d., promtd. to supdg. engr., 1st class, tempy.	440	Buddhan Khan, private, 33rd regt., Madras infy., granted medal	512
Bromhead, Col. Sir B. P., Bart., C.B., B.S.C., granted extn. of furlo. (n. p. a.)	520	Buddhu Khan, Jemadar, infy., Rinpura irr. force, promtd. to be subadar	583
Brooke, Capt. A. W., B.S.C., granted extn. of furlo. or leave (p. a.)	619	Budhibal Rana, naik, 2nd battn., 2nd Gurkha regt., granted medal	431
Brooke, 2nd Lt. H. M. M., Essex regt., posted to M.S.C.	531	Budh Singh, Subadar-maj., 5th Punjab infy., Punjab frontier force, admtd. to 2nd class of Order of British India with title of <i>Bahadur</i>	522
Brooke, Mr. W. R., dir. and offg. depy. dir.-genl. of tals., promtd. permtd. to depy. dir.-genl. of tals.	440	Budh Singh, Risaldar, 3rd Punjab cavy., Punjab frontier force, admtd. to 2nd class of Order of British India with title of <i>Bahadur</i>	522
Broome, Lt.-Col. A. P., Bengal genl. list, infy., promtd. to col. in the army, subject to H.M.'s approval	588	Budh Singh Khawda, Havildar, 2nd battn., 1st Gurkha regt., to be jemadar	630
Broome, Lt. R. C., promn. of — to capt., B.S.C., approved	446	Bullock, Col. B., depy. comr., 2nd class, on furlo.,	
Brown, Surgn. E. H., offg. in medl. charge, 2nd infy., Hyderabad contgt., apptd. to be medl. offr., 5th infy.	392		
Brown, Col. F. D. M., v.c., S.C., exe. engr., 1st			

	Page
apptd. to be civil and sessions judge, Berar commission	379
Bunbury, Capt. W. E., B.S.C., correction of surname of — 424; granted extn. of furlo. (p. a.) . . .	623
Bunyad Singh, Havildar, to be jemadar, 33rd regt., Bengal infy.	663
Bunyer, Asst. Engr. B. C., Indian marine, promtd. to be engr.	393
Burgess, Maj. F. F. R., graded as milly. acctt., 2nd class	685
Burlton, Lt. P. S. M., from Derbyshire regt., admn. of — to B.S.C. as lt. approved	556
Burlton, Lt. W. E. F., B.S.C., 1st regt. of Bengal infy., apptd. to be depy. asst. coms.-genl., 2nd class, on probn.	555
Burlton-Bennet, Maj. J. R., promtd. to lt.-col., B.S.C., subject to H. M.'s approval 655; date from which promn. of — has effect	663
Burma:—Upper — Land and reve. regn., 1889, extended to territories transf'd. to Lower — 410; Act XIV of 1874 (scheduled dists.) declared to be in force in hill tracts of Arakan 450; secs. 223 to 228 of coda of C. P. extended to hill tracts of Arakan 450; form of licenses to possess arms or amm. and to go armed in Mergui dist. of — 458; correspondence and despatches relating to late operations in Upper — 470; despatch from secy. of state relating to operations in — . . .	661
Burn, Lt. J. M., R.E., apptd. to p. w. d. as asst. engr., 2nd grade, and posted to state rya. 601; posted to estab. under govt. of Madras for employment on rya.	601
Burne, Lt.-Col. J., B.S.C., comdt., Malwa Bhil corps, apptd. to hold charge of current duties of office of poll. agent in Bhopawar, in addn. to his own duties	626
Burney, Mr. R. T., permtd. to resign H. M.'s B.C.S. 667	667
Burton, Maj. F. C., B.S.C., 1st Bengal cavy., granted leave to proceed out of India on (p. a.) . . .	538
Burton, Lt. R. G., B.S.C., 35th Bengal infy., apptd. to be offg. wing offr., 1st infy., Hyderabad contgt.	453
Bush, Lt. G. H., from Wiltshire regt., admn. of — to B.S.C. as lt. approved	430
Bûta Singh, Jemadar, to be subadar, 25th Bengal infantry	425
Butterworth, 1st Grade offr. T. H., promtd. to comdr., 3rd grade, Indian marine	393
Buyers, J. W., C.I.E., anpdg. engr., 2nd class, tempy. rank, p. w. d., promtd. to snpdg. engr., 2nd class, sub pro. tem., 440; apptd. engr.-in-chief of Mu valley ry. 447; promtd. to snpdg. engr., 2nd class, permtd.	665
Byars, Lt. R. F., apptd. capt., Coosipore arty. voltr. 619	619
Byng, Lt.-Col. T. R., M.S.C., to be col.	510
Byrne, Mr. E. S., depy. andr.-genl., apptd. to offc. as acctt.-genl., Punjab, 384; to offc. as acctt.-genl., class III, 444; to revert to class I of enrolled list. 635	635
Bythell, Lt. W. J., asst. anpdt. of surva., 2nd grade, services of — placed temply. at disp. of milly. dept.	651

C

Cadwell, Mr. A., apptd. to be maj.-comdt., Agra voltr. rifle corps	497
--	-----

	Page
Cadell, Capt. H. F., graded as milly. acctt., 4th class 685	685
Cahill, Sub-Comdr. J. A., ord. dept., on probn., confirmed in present grade	430
Calvert, Sub-Comdr. C. A., qr. mr. genl.'s office, granted extn. of furlo. or leave (m. c.) . . .	599
Calvert, J. T., probnr., I.M.S., apptd. surgn. on Bengal estab. 531; admn. of — to I.M.S. as surgn., approved 541; reptd. his arrival at Bombay	661
Cameron, Mr. D. R., actg. consular agent, apptd. of — as consular agent for United States of America at Akyab, recognised	626
Cameron, Surgn.-Maj. L., M.D., granted furlo. ont of India (p. a.)	531
Campbell, A., 1st grade asst. apothy., to be 2nd grade apothy.	446
Campbell, Lt.-Col. D. W., C.I.E., E. I. ry. voltr. rifle corps, granted hony. rank of col. . . .	497
Campbell, Lt. F. J. B., 37th Bengal infy., services of — placed at disp. of govt. of N.-W. P. and Oudh for employment as an offg. cantt. magt. . .	592
Campbell, Lt.-Col. J. E., B.S.C., promtd. to col. in the army, subject to H. M.'s approval . . .	670
Campbell, Lt.-Col. J. R., B.S.C., permtd. to retire from the service, subject to H. M.'s approval 438; retirement of — approved	520
Campbell, Capt. L. R. H. D., promtd. to maj., B.S.C., subject to H. M.'s approval 462; above promn. cancelled and promtd. to lt.-col., B.S.C., 532; granted leave to proceed out of India on p. a. 618; promn. of — to lt.-col., B.S.C., approved . .	629
Campbell, Mr. R. L., asst. engr., 1st grade, state rya., granted extraordinary leave without pay in extn. of leave	687
Campbell, Surgn., R. N., M.B., promtd. to surgn.-maj., subject to H. M.'s approval	542
Campbell, Mr. W. B., asst. engr., 1st grade, Burma, permtd., at his own request, to resign his apptd. in p. w. d.	558
Canals:—Constn. from borrowed funds of three subsidiary — in connection with Sidnai canal situated in Mooltan dist. of the Punjab, sanctioned . .	448
Cappel, Sir A. J. L., K.C.I.E., dir.-genl. of tels., permtd. to retire from the service	440
Card, W. L.:—Specfn. of invention filed by — . . .	583
Cardew, Mr. C. E., class II, grade 2, of superior reve. estab., apptd. to offc. as loco. snpdt., Burma state ry., with tempy. rank of class I, grade 3, of reve. scale	648
Carey, C. J. P., 3rd grade offr., I. M., promtd. to be 2nd grade offr.	425
Carey, Lt.-Col. H. R. LeM., S.C., exmr., class IV, grade I, tempy., superior acctt. branch, promtd. to class IV, grade I, sub. pro tem.	681
Carey, Lt. O. W., from Royal Munster fusiliers, admn. of — to B.S.C. as lt., approved . . .	556
Carmichael, Mr. G., B.C.S., services of — temply. placed at disp. of chief comr. of Burma . . .	427
Carnegy, Col. P. A., M.S.C., transf'd. to unemployed anpy. list	646
Carnegy, Lt. P. M., promtd. to capt., B.S.C., subject to H. M.'s approval	588
Carpendale, Lt. P. M., promn. of — to capt., B.S.C., approved	446
Carpenter, Mr. H., apptd. to be 2nd-lt., Bengal Nagpur ry. voltr. rifle corps	393

INDEX TO THE GAZETTE OF INDIA,

	Page		Page
Carroll, C., 1st grade asst. apoth., Bengal. promtd. 2nd grade apoth.	499	good service pension conferred on — 518; addenda to statement of war services of —	670
Carroll, Sub-Cond. M., asst. barrack mr., mil. works dept., promtd. to barrack mr., 2nd class, tempy. . .	630	Chapman, Mr. R. C., to off. in class IV of enrolled list, asst. dept.	444
Carva, Mr. J., to be capt., Hyderabad voltr. rifle corps	647	Chard, Revd. C. H., junr. chaplain on Bengal (Rangoon) ecol. estabtd., apptd. to be a senr. chaplain .	484
Carter, Capt. E. A. F., depy. asst. coms.-genl., 2nd class (on furl.), apptd. to be depy. asst. coms.-genl., 1st class	531	Chattr Singh, Kot-Dafadar, Queen's Own corps of guides, granted medal	521
Carter, Capt. F. C., 1st battn., Northumberland fusiliers, apptd. dist. staff offr., 2nd class . . .	677	Chattr Singh, Havildar, to be jemadar, 28th Bengal infy.	463
Carter, Bde.-Surgn. H. V., M.D., Bombay medl. estabtd., antedating of retirement of —, approved .	446	Chattr Singh, Jemadar, infy., Erinpura irr. force, promtd. to be subadar	583
Carter, Lt.-Col. N. St. L., E. I. ry. voltr. rifle corps, granted hony. rank of col.	497	Chatterjee, Surgn. F. C., M.B., promtd. to surgn.-maj., subject to H. M.'s approval	543
Carter, Mr. P. J., depy. consvr. of forests, 2nd grade, Burma, apptd. to off. in 1st grade of depy. consvrs., 502; correction of date of promn. of — .	518	Chatterjee, Mr. K. M., resignation by — of office of reporter for Indian Law Reports in high court, Calcutta, accepted	683
Casey, Mr. A. E. C., permtd. to resign H. M.'s B.C.S.	659	Chatterton, Lt.-Col. F. W., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 521; promn. of — to col. approved . .	679
Casper, Mr. A., barrister-at-law, apptd. to off. as a reporter for Indian Law Reports in high court, Calcutta	650	Chendriah, private, 31st regt., Madras light infy., granted medal	512
Cassel Gold Extracting Comp. Ltd.:—Specfn. of invention filed by — 378; ditto ditto	434	Chenevix-Trench, Capt. C. C., B.S.C., granted extn. of furl. or leave (m. c.)	462
Cantley, Lt.-Col. C. G., genl. list, cavy., mil. acctt., 1st class, 1st grade, and offg. contr. of mil. acctt., eastern circle, Bengal, granted furl. out of India (p. a.) 392, ditto ditto 423; promtd. to col. in the army, subject to H. M.'s approval 497; promn. of — to col. approved 678; graded as mil. acctt., 1st class	685	Chenevix-Trench, Lt. G. F., offg. poll. asst., 3rd class, posted as asst. to govr.-genl.'s agent, and to genl. supdt. of operations for suppression of thagi and dakaiti in Rajputana 408; to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 505; reverts to offg. poll. asst., 3rd class, 555; to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 583; to off. as a poll. asst., 2nd class, 584; reverts to poll. asst., 3rd class, sub. <i>pro tem.</i> , 584; to off. as a poll. asst., 2nd class, 584; reverts to poll. asst., 3rd class, sub. <i>pro tem.</i> , 585; to off. as a poll. asst., 2nd class, 585; posted as asst. poll. agent at Thal-Chotiali	660
Cazalet, Capt. W. H., B.S.C., granted leave to proceed out of India on m. c.	662	Cheria, Sub-Cond. J., supvr., 1st grade, p. w. d., Hyderabad, granted leave in India (p. a.) . . .	655
Center, Surgn.-Maj. W., promn. of — to bde.-surgn., Bengal medl. estabtd., approved	446	Chesnaye, Bde.-Surgn. G. C., Bengal medl. estabtd., altn. of date of promn. of — to rank of depy. surgn.-genl. approved	424
Chabrel, M. J., exe. engr., 3rd grade, sub. <i>pro tem.</i> , state rys., promtd. to exe. engr., 3rd grade, permtd.	499	Chesney, Lt. N. E., from Cheshire regt., admn. of — to B.S.C. as lt. approved	556
Chadwick, Mr. W., asst. engr., 1st grade, transfd. to estabtd. under administration of Burma for employment on rys.	544	Cheswright, C.:—Specfn. of invention filed by — . .	435
Chaldecott, Lt. A. W., from royal arty., admn. of — to B.S.C. as lt. approved	556	Chioletti, Mr. A. T., asst. engr., 2nd grade, state rys., transfd. from estabtd. under govt. of Bengal to that under dir.-genl. of rys. for employment on Moghalsarai-Howrah ry. surv.	515
Chalmers, Lt. R. C. H., 14th Bengal infy., apptd. to be offg. wing offr., on probn., 2nd infy., Hyderabad contgt.	398	Chowdry, A. L. R., Rai Bahadur, exe. engr., 2nd grade, temply. employed under govt. of Madras, services of — replaced at disp. of govt. of Bengal	543
Chambers, A.:—Specfn. of invention filed by — 467; correction of 2nd Christian name of —	656	Chowriaped, sapper, "Queen's Own" sappers and miners, granted medal	512
Chambers, Mr. W. B., apptd. to be 2nd Lt., Cawnpore voltr. rifle corps	532	Christie, Lt. J. H., promn. of — to capt., B.S.C., approved	445
Chamier, Lt. C., 8th Punjab infy., offg. cantt. magte., Mooltan, services of — replaced at disp. of mil. department	633	Clair, Hon'ble L. M. St., exe. engr., 3rd grade, C. P., temply. employed in the Punjab:—Services of — placed at disp. of foreign dept.	500
Chandan Singh, Kot-Dafadar, to be jemadar, 5th Bengal cavy.	617	Clark, C. U. S., asst. engr., 1st grade, p. w. d., promtd. to exe. engr., 4th grade, tempy.	543
Chandi Singh, Subadar, to be subadar-maj., 1st regt., Bengal infy.	557	Clark, Mr. J. H. W. D., dist. supdt. of police, Dacca, services of — placed temply. at disp. of mil. dept. 402; services of — replaced at disp. of govt. of Bengal	626
Chandrabi Gharti, sepoy, 42nd Gurkha light infy., admtd. to 3rd class of Order of Merit	497	Clarke, 2nd Lt. A. C. S., Border regt., offg. squad.	
Channer, Col. G. N., V.C., B.S.C., col. on the staff, Jullundur, granted leave out of India (m. c.) . .	399		
Chaplin, 2nd Lt. B. E., Leicestershire regt., offg. squad. offr., 8th Bengal cavy., admtd. to B.S.C., subject to confirmation and to rank as lt. in B.S.C., subject to H. M.'s approval	588		
Chapman, Col. E. F., C.B., Royal (late Bengal) arty.,			

	Page
offr., 15th Bengal lancera, admtl. to B.S.C., subject to confirmation and to rank as lt. in B.S.C.	541
Clark-Kennedy, Lt.-Col. A., M.S.O., promtd. to lt.-colonel	663
Clayton, Mr. F., asst. engr., 2nd grade, posted to N.-W. P. and Oudh	648
Cleghorn, Bde.-Surgn. J., M.D., altn. of date of rank approved	446
Cleghorn, Mr. J. P., exo. engr., 3rd grade, Bengal, transf'd. temply. to Baluchistan for duty	681
Clementi, Col. M., B.S.C., granted extn. of furlo. or leave (p. a.)	497
Clerk, Mr. F. B., apptd. to be a justice of the peace within the state of Mysore	540
Clerk, Esq., J., late lt.-col., 1st voltr. battn., Derbyshire regt., and formerly capt. in 4th Dragoon Guards, nominated and apptd. C.S.I.	675
Clibborn, Capt. J., promtd. to maj., B.S.C., subject to H. M.'s approval 404; promn. of — to maj., B.S.C., approved	557
Clogstoun, Mr. H. F., M.C.S., services of — replaced at disp. of govt. of Madras	651
Close, Lt. C. F., R.E., apptd. to mil. works dept. as asst. engr., 2nd grade, tempy. 438; ditto ditto 542; apptd. asst. supdt., 2nd grade, in surv. of India dept., and joined his apptt.	684
Coas, E. K.:—Specfn. of invention filed by —	539
Coates, Bde.-Surgn. J. M., M.D., prinl., Calcutta medl. college, period during which — offtd. as inapr.-genl. of civil hospils., Bengal, in addn. to his own duties	554
Coates, Surgn. W., M.D., promn. of — to surgn.-maj., Bengal medl. establt., approved	424
Codrington, 2nd Lt. H. W., Liverpool regt., wing offr., (Queen's Own) corps of guides, Punjab Field force, admtl. to B.S.C., subject to confirmation 685; and to rank as lt. in B.S.C., subject to H. M.'s approval	685
Cole, Lt. F. T., R.A., ord. offr., 4th class, offg. 3rd class, to be ord. offr., 3rd class	654
Cele, Lt. H. W. G., from Northumberland fusiliers, admn. of — to B.S.C. as lt., approved	430
Cole, Revd. T. E. F., apptd. a junr. chaplain on Bengal (Calcutta) ecol. establt. 427; reptd. his arrival at Calcutta, and services of — placed at disp. of govt. of Bengal	626
Collen, Maj. and Col. (local Maj.-Genl.) E. H. H., C.I.E., promtd. to lt.-col., B.S.C., subject to H. M.'s approval 392; to be col. 510; promn. of — to lt.-col., B.S.C., approved	557
Collett, Col. H., C.B., B.S.C., apptd. to comd. a dist. of 2nd class, with tempy. rank of brigdr.-genl.	677
Collinson, Store-Sergt. J., ord. dept., to be sub-conductor	497
Collis, Store-Sergt. H., ord. dept., to be sub-condr.	446
Colomb, Lt. G. H. C., B.S.C., 1st battn., 4th Gurkha regt., granted leave to proceed out of India on p. a.	654
Colquhoun, Mr. A. R., depy. comr., Burma, services of — replaced at disp. of p. w. d. 433; re-apptd. to p. w. d. as an exo. engr., 3rd grade, and posted to Baluchistan 439; granted leave on m. c.	657
Colson, Surgn.-Maj. E., Bombay medl. establt., retirement of — approved	446
Colville, W. B.:—Specfn. of invention filed by —	583
Colvin, Mr. E. G., offg. poll. asst., 2nd class, to offe.	

	Page
as a poll. asst., 1st class, 503; to be a substantive poll. asst., 1st class, but to continue to offe. as a poll. asst., 1st class, 505; to offe. as a poll. agent, 3rd class, 586; reverts to offg. poll. asst., 1st class, 586; to offe. as a poll. agent, 3rd class	587
Colvin, Lt. J. R. C., B.S.C., to be a substantive poll. asst., 3rd class, on seconded list	505
Connor, Hony. Surgn. J., Bengal, permtd. to retire from the service	543
Conry, Surgn. W., promn. of—to surgn.-maj., Bengal medl. establt., approved 424; granted extn. of furlo. or leave (m. c.)	599
Cooke, Mr. J. E., depy. acctt.-genl., Bengal, apptd. to offe. as compr. of India treasuries	470
Cooper, Lt. E. S., from Durham light infy., admn. of—to B.S.C. as lt. approved	556
Cooper, Vety. Surgn. J., vety. snpdt., Hyderabad assigned dists., granted leave out of India (p. a.)	622
Cooper, Sub-Cond. J., miscellaneous list, transf'd. to pension establt.	655
Coorg:—Sec. 34 of Act V of 1861 (Ren. of Police) specially extended to certain towns of—	626
Coormiah, private, 15th regt., Madras infy., granted medal	512
Cordner, Mr. R. A., exo. engr., 1st grade, N.-W. P. and Oudh, on spl. duty, apptd. supdg. engr., 3rd class, tempy., 405; specfn. of invention filed by—	434
Corfield, Lt. C. J., promtd. to capt., B.S.C., subject to H. M.'s approval	663
Cornish, Lt. W. H., promn. of—to capt., B.S.C., approved 445; to be a substantive poll. asst., 1st class, but to continue to be a poll. agent, 3rd class, sub. <i>pro tem</i> , 554; reverts to offg. poll. agent, 3rd class, 586; to offe. as junr. under-secy. to govt. of India in foreign dept.	668
Cornwall, Mr. J. H., supdt. of post offices, Baluchistan, apptd. to act as depy. post mr. genl., 3rd grade, and to be posted as asst. dir.-genl.	668
Cotes, Mr. E. C., 1st asst. to supdt., Indian museum, granted priv. leave of absence	460
Cotgrave, Mr. H. F., dist. supdt. of police, 4th class, Berar police, apptd. to offe. as a dist. supdt. of police, 3rd class	466
Cotton, Capt. and Bt.-Maj. A. F., B.S.C., 2nd battn., 4th Gurkha regt., granted leave to proceed out of India on p. a.	623
Cotton, Mr. W. G. L., exo. engr., 1st grade, Bengal, granted spl. leave	553
Couchman, Mr. F. D., asst. engr., 2nd grade, state rys., services of—transfd. from establt. under govt. of Bengal to that under dir.-genl. of rys.	406
Consumaker, Lt.-Col. M. F., B.S.C., retirement of—approved	424
Cowan, Lt.-Col. S. H., B.S.C., depy. supdt., 3rd grade, surv. of India, granted furlo. out of India (p. a.) 520; promtd. to col. in the army, subject to H. M.'s approval	670
Cowie, Depy. Surgn.-Genl. A. J., Bengal medl. establt., retirement of—approved 424; ditto ditto	446
Cowie, Lt.-Col. D., M.S.C., promtd. to col. in the army, subject to H. M.'s approval	670
Cowie, Mr. H. G. H., to revert to class III of enrolled list, acct. dept., 444; to offe. in class II of enrolled list 444; to offe. in class I of enrolled list 598; to revert to class II of ditto 598; to revert to class III, 635; to offe. in class II	684

	Page		Page
Cowley, Mr. W. D. F., to offa. in class V of enrolled list, acct. dept., 598; to revert to class V of enrolled list	598	Cumberlege, Lt.-Genl. H. O., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 404; promn. of — to col. approved	557
Cowper, Lt.-Col. H. H. P., Bengal genl. list, cavy., promtd. to col. in the army, subject to H. M.'s approval 497; promn. of — to col. approved	678	Cumming, Mr. J. G., apptd. member of B.C.S. and to Bengal, L. P.	636
Cox, Mr. A. F., to offa. as acctt.-genl., class I, 598; to revert to class II, 598; to be acctt.-genl., class III	668	Cummins, Lt.-Col. J. T., 2nd-in-comd. and offg. comdt., 4th cavy., Hyderabad contgt., apptd. to be comdt., 2nd cavy.	618
Cox, Mr. F. N., asst. engr., 2nd grade, posted to the Punjab	648	Cunningham, Mr. W. J., under-secy., apptd. to offa. as secy. to govt. of India in foreign dept.	635
Cox, Lt.-Col. R. E., Madras infy., promn., of — to col., Indian army, approved	511	Cunningham, A. B., specfn. of invention filed by —	379
Crawford, Mr. A. T.:—Resolution by govt. of India on the divn. of the officials incriminated by the disclosures made in the course of the recent inquiry into the charges against—into two classes	605	Cunningham, Lt.-Col. C., R.E., exmr. of p. w. accta., on probn., transfd. from superior accta. estabt. to engr. estabt., and attd. temply. to ry. branch 394; granted spl. leave 426; period of above spl. leave 432; posted permty. to C. P., with rank of exe. engr., 2nd grade	447
Crawford, Lt. F. C., Hyderabad voltr. rifle corps, resigns his commn.	670	Cuppige, Lt. W. A., B.S.C., granted extn. of furlo (p. a.)	602
Crawford, Mr. J. A., offg. poll. agent, 2nd class, posted as first asst. and secy. for Berar to resdt. at Hyderabad	593	Cureton, Genl. C., C. B., B.S.C., transfd. to unemp. employed anpy. list	663
Crawley, Mr. C. E., to offa. in class III of enrolled list, acct. dept., 598; to revert to class IV of enrolled list	598	Curpannen, private, 3rd regt., Madras light infy., granted medal	512
Creagh, Maj. O'M., V.C., B.S.C., comdt. of Merwara battn., services of—replaced st disp. of milly. dept.	540	Curry, Mr. W. K., depy. exmr., 2nd grade, permtd., superior accta. branch, p.w.d., promtd. to depy. exmr., 1st grade, sub. <i>pro tem.</i> , 463; transfd. from office of exmr. of accta., North-Western ry. to that of exmr., p. w. accta., Bengal 620; promtd. to depy. exmr., 1st grade, permtd.	681
Cretin, Surgn. E., M. D., services of — replaced at disp. of milly. dept. 401; apptd. to medl. charge of Bundelkhaud poll. agency, in addn. to his other duties	527	Curtis, Sub-Cond. G., adjt., genl.'s office, to be conductor	630
Crichton, Lt. R. T., Highland light infy., wing offr., 31st Bengal infy., admtd. to B.S.C., subject to confirmation 437; admn. of — to B. S. C. as lt., approved	629	Customs:—Rice exported by sea and entered outwards for either of the French ports of Pondicherry and Karikal or passing by land into either of those setts., exempted from export duty	684
Crimmin, Surgn. J., Bombay medl. service:—Intention of the Queen to confer the decoration of victoria cross on — signified	556		
Crofts, Surgn. A. M., promn. of — to surgn.-maj., Bengal medl. estabt., approved	424	D	
Crofts, Surgn. J., M. D., promn. of — to surgn.-maj., Bengal medl. estabt., approved	424		
Crommelin, Lt. C. Y., B.S.C., 1st battn., 1st Gurkha regt., granted leave to proceed out of India on p. a.	598	DAIMLER, G.:—Specfn. of invention filed by —	467
Croca, Hony. Capt. and Depy. Comay. A. B., comst. dept., permtd to retire from the service 407; granted hony. rank of capt.	529	Dallas, Depy. Surgn.-Genl. A. M., C.I.E., Bengal medl. estabt., retirement of — approved	424
Crothwaite, Sir C. H. T., K.C.S.I., chief comr. of Burma, obtained priv. leave 449; resumed charge of office of chief comr. of Burma	684	Dallas, 2nd Lt. J. S., Royal West Kent regt., posted to M.S.C.	618
Crothwaite, Hon'ble R. J., judl. comr., C. P., and addl. member of govt.-genl.'s legislative council, apptd. to offa. as chief comr. of C. P. 395; recd. charge of office of chief comr. of C. P.	433	Daly, Lt. H., B.S.C., poll. asst., 3rd class, to be a substantive poll. asst., 2nd class, on seconded list	505
Crounce, Mr. C. H., exe. engr., 1st grade, apptd. engr.-in-chief of surv. of a line of ry. from Delhi to Kotri	601	Daly, Hony. Lt. and Depy. Comay. J., Madras estabt., granted hony. rank of capt.	453
Crowdy, Col. J. H., R.E., exe.-engr., 1st grade, milly. works dept., promtd. to supdg. engr., class III, sub. <i>pro tem.</i>	463	Daly, Mr. W. W., dist. supdt. of police, services of — replaced at disp. of chief comr. of Assam	533
Crosier, W. H., 1st grade offr., I. M., granted extn. of furlo. or leave (m.c.)	498	Daniell, Mr. C. A., permtd. to resign H. M.'s B.C.S.	633
Cuddapah-Nellore state ry.:—Estimates for constn. of extns. of — sanctioned	601	Dansey, Mr. E. P., offg. consvr. of forests, 3rd grade, Berar, reverted to substantive apptd. of depy. consvr., 3rd grade, N.-W. P. and Oudh, but remained on duty in Berar and resumed charge as offg. consvr., 3rd grade, of Berar forest circle	467
		Dastur Edalji Bymouji, asst. comr., 3rd class, Berar commn., apptd. an asst. comr., 2nd class, 379; to offa. as an asst. comr., 1st class, 379; apptd. asst. cantt. magt. in cantt. of Secunderabadd	684
		Davidson, Lt. A. G., 5th infy., offg. squad. offr., 2nd cavy., apptd. to be offg. squad. offr., 4th cavy., Hyderabad contgt.	328
		Davidson, Maj. J., promn. of — to Lt.-col., B.S.C., approved	424

	Page		Page
Davidson, Mr. J. Y., class I, grade 3, superior reva. establt. of state rys., permtd. to retire from the service	671	Punjab frontier force, granted leave to proceed out of India on m. c.	655
Davidson, S. C.:—Specfn. of invention filed by — 450; ditto ditto	582	Dickenson, Mr. F. B., to revert to offg. depy. consrv. of forests, 2nd grade, C. P.	675
Davies, A. A. F.:—Specfn. of invention filed by —	526	Dickie, Capt. J. E., R.E., exe. engr., 4th grade, sub. <i>pro tem.</i> , mily. works dept., promn. of — to exe. engr., 4th grade, permtd., sanctioned	589
Davies, Mr. C. A. W., asst. comr., 2nd class, Berar commn., apptd. to be an asst. comr., 1st class, 379; to offg. as spl. asst. comr., Akola	379	Dickinson, Mr. F. B., offg. depy. consrv. of forests, 2nd grade, Coorg, transfd. to C. P. 605; apptd. to offg. in 3rd grade of consrv., and to hold charge of Northern forest circle in C. P.	651
Davies, Lt. H. S. P., promn. of — to capt., B.S.C., approved	445	Dillon, Lt. G. F. H., B.S.C., granted extn. of furlo. or leave (m. c.)	638
Davies, Lt. R. D. C., promn. of — to capt., B.S.C., approved	446	Dillon, Mr. J., comptr., post office, apptd. a post master genl., 2nd grade, and placed in charge of Punjab circle	606
Davis, Lt. J. S. C., Allahabad voltr. rifle corps, promtd. to be capt.	588	Dilnkh, Havildar, to be jemadar, 38th Bengal infy.	462
Davis, Sub-Cond. T., comst. dept., to be cond.	521	Din Muhammad, Color-Havildar, to be jemadar, 45th Bengal infy. (Rattray's Sikhs)	454
Dawson, Lt. C. H., wing offr. and adjt., Meywar Bheel corps, apptd. temply to offg. as wing comdr. and 2nd-in-comd.	411	Diwan Ganpat Rai, native asst. to govrn.-genl.'s agent in Baluchistan at Quetta, granted priv. leave	428
Day, Capt. J. G., R.E., exe. engr., 4th grade, mily. works dept., promn. of — to exe. engr., 3rd grade, permtd., sanctioned	589	Dobbie, Lt. C. F., from Yorkshire light infy., admn. of — to B.S.C. as lt., approved	429
De, Mr. B., B.C.S., presented with donation for having obtained a degree of honour in Sanskrit in 1st divn.	407	Dobbie, Lt. H. H., promn. of — to capt., B.S.C., approved	416
Deane, Maj. G. W., B.S.C., correction of second Christian name of —	424	Dobbie, Mr. W. H., to revert to class IV of enrolled list, acct. dept., 444; to offg. in class III of enrolled list, 519; to revert to class IV 598; to offg. in class III	684
Deane, Lt.-Col. T., B.S.C., depy. secy. to govt. of India, mily. dept., apptd. to offg. as dir., army remount dept., 436; tenure of apptd. of — as depy. secy. to govt. of India, mily. dept., is extended	461	Dodgson, Lt. H. L., B.S.C., granted extn. of furlo. or leave (p. a.)	619
Deane, Mr. P. P., exe. engr., 2nd grade, state rys., transfd. from establt. under govt. of Bengal to that under dir.-genl. of rys. 394; above notfn. cancelled 400; transfd. from establt. under govt. of Bengal to that under dir.-genl. of rys. for employment on Moghalsarai-Howrah ry. surv.	515	Don, A.:—Specfn. of invention filed by —	582
Deatha:—Reports of — recd. in mily. dept., 405, 431, 439, 463, 498, 514, 542, 600, 620, 623, 630, 656, 664, 680	686	Donlea, Hony. Lt. and Depy. Comay. T., Bengal establt., granted hony. rank of capt.	462
DeBrath, S., exe. engr., 4th grade, sub. <i>pro tem.</i> , state rys., promtd. to exe. engr., 3rd grade, sub. <i>pro tem.</i>	499	Dost Muhammad Khan, Jemadar, to be subadar, 9th regt., Bengal infy.	599
DeLaunson, Capt. A. F., C.M.G., C.I.E., offg. poll. asst., 1st class., posted as asst. comr. of Merwara, 380; ditto ditto 468; to offg. as a poll. agent, 3rd class, 585; reverts to offg. poll. asst., 1st class, 585; to be a substantive poll. asst., 1st class, and to offg. as a poll. agent, 3rd class	585	Doty, H. H.:—Specfn. of invention filed by —	467
Depoels, C. J. V.:—Specfn. of invention filed by —	435	Douglas, Mr. R., asst. engr., 1st grade, Punjab, services of — temply. placed at disp. of foreign dept. for employment under the Patiala state	644
Dera Ghazi Khan dist.:—Depy. comr. of —, being European British subject, apptd. to be a justice of the peace for certain tracts situated between the countries of certain tribes and the plains of — 627; provisions of certain enactments applied to the aforesaid tracts	627	Downing, Capt. J. G., graded as asst. mily. acctt., 1st class	685
Des Voeux, 2nd Lt. H., from West Yorkshire regt., admn. of — to B.S.C. as lt. approved	430	Dowson, Mr. E., asst. supdt., class V, 1st grade, and offg. supdt., class IV, Indian tel. dept., promtd. permtdly. to supdt., class IV, 3rd grade	602
Deveril, H.:—Specfn. of invention filed by —	582	Doyle, Surgn. J. P., I.M.S., Madras, apptd. C.D.S.O.	662
Dewa, Havildar, promtd. to be jemadar, Marwara battalion	540	Drag-pal Singh, Jemadar, to be subadar, Bengal Sappers and miners	655
Dewa Singh, Jemadar, to be subadar, 38th Bengal infantry	431	Drake-Brockman, Surgn. H. E., Bengal establt., reptd. his arrival at Bombay	437
DeWilton, Lt. A. W., B.S.C., 1st regt., Bengal infy., granted leave to proceed out of India on p. a.	622	D'Ravara, A. J., 2nd grade asst. apothy., granted furlo. in India (m. c.)	392
Dick, Lt. A. R., B.S.C., 2nd regt. of Punjab cavv.,		Dressner, Capt. C. J. B. H., B.S.C., squad. offr., 2nd regt., C. I. Horse, and boundary sett. offr. in Bundelkhand, apptd. to be an asst. comr., 3rd class, in Hyderabad assigned dista.	627
		Drew, Lt. A. B. H., B.S.C., 39th (Punjab) regt. of Bengal infy., granted leave to proceed out of India on p. a.	619
		Droux, Mr. C. U. L. R., apptd. 2nd Lt., Mussoorie voltr. rifle corps	447
		Drury, Mr. G. M., class II of superior reva. establt. of state rys., traffic dept., granted spl. leave	440
		Duff Lt. G. M., R.E., apptd. to p. w. d. as asst. engr., 2nd grade, and posted to state rys. 601;	

	Page		Page
posted to establt. under chief comr., Burma, for employment on rys.	601	Eden, Lt. M. H., Yorkshire regt., probnr. for Indian staff corps posted to M.S.C.	487
Duhan, Lt. H. T., B.S.C., granted leave in India (m. c.)	392	Edge, Lt.-Col. Hon'ble Sir J., Kt., comdt. of Allahabad voltr. reserve corps, apptd. to be comdt., 3rd admive. battn., N.-W. P. voltra. and Allahabad voltr. rifle corps	392
Duke, Hony. Lt. and Depy. Comsy. C., Bombay establt., granted hony. rank of capt.	541	Edmunds H.:—Specfn. of invention filed by—	408
Duke, Surgn.-Maj. J., I.M.S. (Bengal), medl. offr. of Malwa Bheel corps, and of Bhopawar poll. agency, apptd. to offe. as ready. surgn. in Kashmir	435	Education:—Affiliation of Brajamohan institution, Barisal, to Calcutta university up to F. A. standard authorised 427; affiliation of Rajohandra school, Barisal, to Calcutta university up to F. A. standard authorised 428; affiliation of Behar national school, Bankipur, to Calcutta university in arts up to F. A. standard authorised	502
Duke, Sergt. S., barrack sergt., mily. works dept., to be sub-condr., supy.	670	Edwardes, Maj.-Genl. S. deB., C.B., Bombay infy., promtd. to lt.-genl., Indian local service	663
Dulare Singh, Jemadar, to be subadar, 4th regt., Bengal infy.	670	Edwardes, Surgn. A. R., services of — replaced at disp. of mily. dept.	401
Dun, Capt. E. W., D.S.O., B.S.C., granted extn. of furlo. or leave (m. c.)	404	Edwardes, Lt. C. A., from Royal Welsh fusiliers, admn. of — to B.S.C. as lt. approved	430
Duncan, Surgn. A., M.D., granted extn. of furlo. (m. c.) 404; ditto ditto	622	Edwardes, Lt. H. C., 3rd Dragoon guards, offg. squad. offr., 12th Bengal cavy., admtd. to B.S.C., subject to confirmation	541
Dunlop, Mr. A. J., asst. comr., 1st class, Berar commn., apptd. to be a depy. comr., 3rd class, but to continue to be seconded during employment in foreign service	469	Edwardes, (Capt. J. B., 4th squad. comdr., 1st regt., C.I. Horse, apptd. to be 3rd squad. comdr., 2nd regt., 503; apptd. 3rd squad. comdr., 1st regt.	635
Dunlop, Mr. J. R., apptd. to be 2nd lt., 1st Punjab voltr. rifle corps, 438; correction of second Christian name of —	588	Eicke, Mr. F. W., depy. exmr. of accts., p. w. d., granted furlo. in extn. of furlo.	657
Dupernex, Mr. H. E. L. P., apptd. member of B.C.S., and to N.-W. P., Oudh, Punjab and C. P.	626	Elderton, Lt. A., promtd. to capt., B.S.C., subject to H. M.'s approval 663; granted leave to proceed out of India on p. a.	677
Dupuis, Mr. C., asst. engr., 2nd grade, posted to N.-W. P. and Oudh	648	Elias, Mr. N., C.I.E., poll. agent, 3rd class, to offe. as a poll. agent, 2nd class, 503; to be a poll. agent, 2nd class, sub. <i>pro tem.</i> , 504; to be a substantive poll. agent, 2nd class, 505; to offe. as a poll. agent, 1st class, 586; apptd. to be an addl. poll. agent, 1st class, while employed as British comr. with Anglo-Siamese boundary commn.	627
Durand, Capt. A. G. A., B.S.C., apptd. British agent at Gilgit 435; apptd. to be 2nd squad. comdr., 2nd regt., C. I. Horse, 503; promtd. to maj. 602; granted local rank of lt.-col. whilst employed on Gilgit frontier	662	Eliot, Maj. G. L., B.S.C., granted extn. of furlo. or leave (m. c.)	531
Durand, Maj. E. L., C.B., B.S.C., confirmed in apptt. of readt., 2nd class, and readt. in Nepal	505	Elliot, E. C., exe. engr., 4th grade, <i>tempy. rank</i> , state rys., promtd. to exe. engr., 4th grade, sub. <i>pro tem.</i> , 499; services of — placed at disp. of govt. of Bengal for employment on rys.	557
Durand, Sir H. M., K.C.I.E., C.S.I., secy. to govt. of India in foreign dept., granted furlo. 627; and furlo. granted to — in notfn. No. 73—C. G., of 26th Nov. 1887, is converted into spl. leave 627; period during which — was on extraordinary leave	668	Elliott, Mr. A., asst. comr., 1st class, and offg. depy. comr., 3rd class, Berar commn., apptd. to be a depy. comr., 3rd class	469
Dwārika Singh, Jemadar, to be subadar, 1st regt., Bengal infy.	557	Elliott, Mr. C. E., depy. consvr., 2nd grade, Punjab, to offe. in 1st grade of depy. consvrs.	518
Dwyer, Sub-Condr. J. F., ord. dept., to be condr.	446	Elliott, Mr. C. F., offg. depy. consvr. of forests, 1st grade, Punjab, reverted to his substantive apptt. of depy. consvr., 2nd grade, 450; correction of date of above reversion	502
E		Elsmie, Lt. G. E. D., from Yorkshire light infy., admn. of — to B.S.C. as lt. approved	511
EARDLEY-HOWARD, 2nd Lt. W. S., Connaught Rangers, wing offr., 29th Bengal infy., admtd. to B.S.C., subject to confirmation 437; to rank as lt. in B.S.C. 437; admn. of — to B.S.C., as lt., approved	629	Elworthy, H. S.:—Specfns. of inventions filed by—	526
Eardley-Wilmot, Lt. I., promn. of — to capt., B.S.C., approved	446	Emerson, Surgn. G. A., M.B., promtd. to surgn.-maj., subject to H. M.'s approval	542
Eardley-Wilmot, Col. R., squad. comdr. and 2nd-in-comd., 14th Bengal lancers, dist. staff offr., 1st class, granted furlo. out of India (m. c.)	621	Emigration:—Draft of a proposed amendment in rules under Indian — Act, XXI of 1883, 435; draft of proposed amendment of schedule E, page 90 of rules relating to colonial — 502; declaration under sec. 102 of Indian — Act, XXI of 1883, 526; amendment to rules relating to colonial — 581; rule substituted for rule 160 regarding disp. of nominal roll of emigrants	581
Ecclesiastical:—Addendum and corrigendum in certain revised — rules 408, 501; programme of lord bishop of Calcutta's proposed visitation of Bengal, N.-W. P. and Oudh, the C. P. and C. I.	459		
Eckford, Lt. J. J. H. B., from Yorkshire light infy., admn. of — to B.S.C. as lt. approved	556		
Edalji Jamshedji Sanjana, clerk of court of judicial comr., Hyderabad assigned dists., apptd. to be an extra asst. comr., 5th class, Berar commn.,	606		

	Page		Page
English, Lt. R. A., 2nd Punjab (Simla) voltr. rifle corps, resigns his commn.	393	Fagan, Lt.-Col. J. G., Bombay genl. list, cavy., promtd. to col. in the army, subject to H. M.'s approval	686
English, Mr. R. A., exmr., class IV, grade 8, tempy., superior accts. branch, promtd. to exmr., class IV, grade 8, sub. <i>pro tem</i>	681	Fagan, Lt.-Col. J. L., B.S.C., to be col.	610
Entwistle, R.:—Specfn. of invention filed by —	494	Fakhr-u-din, private, 2nd regt., Madras lancers, granted medal	512
Erskine, Lt. K. D., offg. poll. asst., 3rd class, posted as asst. to govr.-genl.'s agent in Rajputana 468; to be a poll. asst., 3rd class, sub. <i>pro tem</i> , 503; to offe. as a poll. asst., 2nd class, 503; to be a substantive poll., asst. 3rd class, but to continue to offe. as a poll. asst., 2nd class, 555; to offe. as a poll. asst., 1st class, 584; reverts to offg. poll. asst., 2nd class, 584; to be a poll. asst., 2nd class, sub. <i>pro tem</i> , 585; to offe. as a poll. asst., 1st class	586	Fakir Muhammad, Jemadar, 2nd Punjab cavy., Punjab frontier force, on prohn., confirmed in that rank	677
Escher, Mr. V., consl for Austria and Hungary at Aden, resumed charge of his office.	436	Fane, Lt. V. B., Manchester regt., offg. squad. offr., 1st Punjab cavy., Punjab frontier force, admtd. to B.S.C., subject to confirmation	555
Estates:—Statement of deposits on acct. of — 394, 405, 425, 432, 454, 498, 522, 600, 623, 631, 647, 657, 664, 680	687	Fanshawe, Mr. A. U., offg. dir.-genl. of post office of India, confirmed in that apptt.	398
Eteson, Depy. Surgn.-Genl. A., M.D., Bengal medl. estabt., ultn. of date of retirement of — approved	424	Fargues, Mr. J., offg. asst. snpdt., 2nd grade, Persian sec., Indo-European tel. dept., reverted to his substantive apptt. of signlr., 1st grade	589
Eustace, Lt. A. H., from East Surrey regt., admn. of — to B.S.C. as lt. approved	430	Faridonji, Mr. Rustumji, apptd. to be an asst. comr., 3rd class, in Hyderabad assigned dista.	634
Evans, Maj. H. T. P., East Lancashire regt., apptd. to be a depy. asst. adjt.-genl. for musketry	453	Farrell, Depy. Surgn.-Genl. G., C.B., I.M.S., Bengal, good service pension conferred on —	513
Evans-Gordon, Capt. W. E., M.S.C., poll. asst., 2nd class, to be a substantive poll. asst., 1st class	505	Farrer, Mr. H., apptd. to be post mr.-geul., 1st grade, 422; granted priv. leave	519
Ewart, Lt. R. H., B.S.C., granted extn. of furlo. (m. c.)	520	Fasken, Capt. C. G. M., B.S.C., 2nd Sikh infy., Punjab frontier force, granted leave to proceed ont of India on p. a.	541
Examination:—Notfn. regarding competitive—for admn. into superior accts. branch of p. w. d. 400; regns. respecting — of candidates for civil service of India to be held in June 1890, 574; notfn. regarding time and place of — prescribed for filling up vacancies in clerical estabts. of sect. offices of govt. of India and attd. offices and of offices subordinate to govt. of Bengal 592; resolution by govt. of India on the question whether a candidate for the sect. clerical service can appear at the — and compete simultaneously for an apptt. in that service of govt. of Bengal and that of govt. of India 613; age at which candidates for the civil service of India will be admtd. to—after the—to be held in 1892, 633; notices regarding time and place for holding the — prescribed for filling up vacancies in the clerical estabts. of sect. offices of govt. of India and attd. offices, and of offices subordinate to govt. of Bengal, 650; revised regns. under which a limited number of members of covenanted civil service will be permtd. to present themselves for — in Russian language while on furlo.	674	Fattu, Jemadar, to be subadar, No. 1 (Kohat) mountain batty. Punjab frontier force 438; admtd. to 2nd class of Order of British India with title of <i>Bahadur</i>	522
Extradition Acts, 1870 & 1873:—Order of H. M. the Queen in council applying — in the case of certain declaration concluded with H. M. the King of Spain	443	Faulkner, Surgn. A. S., I.M.S. (Bombay), medl. offr., 19th regt., Bombay infy., apptd. to offe. as agency surgn. in Ulwar	426
Kyre, Capt. G. S., promn. of — to maj., B.S.C., approved	511	Faulkner, Mr. E. T., asst. engr., 1st grade, transfld. from Bengal-Nagpur ry. compy's. service to estabt. under control of administration of Burma for employment on rys.	613
Kyre, Capt. T. H., graded as asst. mily. acctt., 3rd class	685	Fauze, Lt. Col. and Col. (having local and tempy. rank of Brigdr.-Genl.) E., M.S.C., comdg. 2nd class dist., Madras, apptd. C. B.	662
		Fenley, J. B.:—Specfn. of invention filed by—	434
		Fenton, Capt. W. D. B., R.A., ord. offr., 2nd class, <i>addl.</i> , confirmed in that class	423
		Fernandez, Mr. E. E., depy. dir. of forest school, to offe. as dir., in addn. to his own duties 460; to revert to depy. dir. of forest school	490
		Ferrier, Revd. A., asst. chaplain of church of Scotland on Bengal estabt., apptd. to be a chaplain of that church	650
		Ferris, Lt.-Col. J. L., B.S.C., to be col.	429
		Field, Capt. W. C. F. (seconded), graded as asst. mily. acctt., 2nd class	685
		Field Operations:—Correspondence relating to operations recently carried out by the Lushai expdny. force 385; details of a column to be dispatched to co-operate with a force which will be engaged in operations against the Chins, Lushais, Shendus and other tribes	530
		Finch, Lt. C., from Royal Sussex regt., admn. of — to B.S.C. as lt. approved	429
		Finlay, Mr. J. F., depy. secy. to govt. of India in dept. of fincs. and commce., apptd. to offe. as secretary	660
		Finnamore, Mr. H. L., 1st grade apothy., to be 2nd grade senr. apothy.	440
		Fisher, Mr. O., apptd. member of B.C.S. and to Bengal, L. P.	625
F			
FAGAN, Lt. H. H. F., promn. of — to capt., B.S.C., approved	446		

	Page		Page
Fisher, 2nd Lt. F., Essex regt., probnr. for Indian staff corps, posted to M.S.C. 437; corrected to Bo.S.C.	531	Francis, Lt. H., of police force, N.W. P. and Oudh, name of — to cease to be borne on list of comad. offrs. of Oudh voltr. rifle corps	514
Fitzgerald, Lt.-Col. A., Bengal infy., promo. of — to col., Indian army, approved	511	Francis, Capt. J. C., 5th regt., Bombay light infy., re-apptd. to be cantt. magt. of cantt. of Baroda, in addn. to his mil. duties	518
Fitzgerald, Col. J., B.S.C., retirement of—approved	423	Fraser, Mr. A. H. L., apptd. 2nd-Lt., Bengal-Nagpur ry. voltr. rifle corps	431
Fitcherbert, Mr. F., apptd. 2nd Lt., Mussoorie voltr. rifle corps	447	Fraser, Maj. E. A., M.S.C., poll. agent, 3rd class, to offe. as a poll. agent, 2nd class, 503; to be a poll. agent, 2nd class, sub. <i>pro tem.</i> , 505; reverts to offg. poll. agent, 2nd class, 554; to be a poll. agent, 2nd class, sub. <i>pro tem.</i> , 533; reverts to offg. poll. agent, 2nd class	535
Fitzpatrick, Mr. D., C.S.I., chief comr. of Assam, services of — placed at disp. of foreign dept. 378; apptd. to be a readt., 1st class, and readt. at Hyderabad 380; apptd. hony. col., Hyderabad voltr. rifle corps, 538; resigns his apptt. as hony. col., Surma valley light horse	538	Fraser, 2nd-Lt. W. S., Duke of Cornwall's light infy., offg. squad. offr., 19th Bengal lancers, admtd. to B.S.C., subject to confirmation, and to rank as Lt. in B.S.C.	503
Fitzpatrick, P., sub. asst. apothy., Bengal, promtd. to 2nd grade asst. apothy.	509	Fraser, Lt.-Col. J., Bengal infy., retirement of — approved	520
Flanagan, Lt. R. A., Hyderabad voltr. rifle corps, resign his commn.	570	French, Mr. F. C., apptd. member of B.C.S. and to Bengal, L. P.	526
Flaming, Lt. H. L., Royal Sussex regt., offg. wing offr., 36th (Sikh) regt. of Bengal infy., admtd. to B.S.C., subject to confirmation	554	Frizelle, Mr. J., B.C.S., tempy. judge of chief court, Punjab, apptd. to be a judge of that court	466
Fletcher, Lt.-Col. H. A., Bengal cavy., retirement of — approved	424	Fryer, Lt. G. W. S., graded as asst. mil. acct., 3rd class	585
Flynn, Mr. A. C., apptd. capt., 1st Punjab voltr. rifle corps	580	Fullerton, Surgn.-Maj. J. C., M.B., granted exta. of furlo. (p. a.)	555
Fooks, Surgn. G. E., medl. offr., 5th regt., Bombay light infy., apptd. to be the cantt. magt. of cantt. of Baroda, in addn. to his mil. duties, and invested with certain ordy. and addl. powers of a magt. of 1st class to be exercised within limits of cantt. of Baroda	397	Futta Bijea, Subadar-maj., Malwa Bhil corps, admtd. to 2nd class of Order of British India with title of <i>Bahadar</i>	522
Foord, 2nd Lt. E. R., Royal Irish regt., posted to M.S.C.	518		
Forbes, Mr. G. S., M.C.S., services of — replaced at disp. of govt. of Fort St. George	451	G	
Forbes, Col. J. G., R.E., chief engr. and secy. to govt., N.W.P. and Oudh., apptd. inspr.-genl. of irrign. and depy. secy. to govt. of India in p.w.d.	587		
Forbes, Lt. L. A., from Highland light infy., adma. of — to B.S.C. as Lt. approved	556	GABBETT, Mr. E., asst. engr., 2nd grade, posted to Burma	548
Forbes, Col. W. E., B.S.C., retirement of — approved	520	Gahan, Mr. H. H., exe. engr., 2nd grade, sub. <i>pro tem.</i> , transfd. from estab. under govt. of Bengal to that under govt. of Madras for employment on Villupuram-Guntakul state ry.	514
Fordham, Mr. J. W., exmr. of acct., attd. to Rajputana-Malwa state ry., permtd. to retire from the service of govt.	520	Gaisford, Maj. G., B.S.C., poll. asst., 1st class, to offe. as a poll. agent, 3rd class	504
Fordyce, Maj. J. F. D., graded as mil. acct., 4th class	585	Gaitskill, Mr. A., apptd. member of B.C.S. and to Burma	525
Foreign Dept. :—Erratum in — notfn. No. 344-I, dated 25th Jan. 1889, 554; addendum to notfn. No. 1827-I of 11th May 1888, 533; insertion of certain words in — notfn. No. 1143-I of 22nd March 1888	560	Gaj Singh, Dafadar, to be jemadar, 2nd Punjab cavy., Punjab frontier force	303
Foreign Deserters Act, 1852 :—Order of H. M. in council under — relating to seamen who desert from merchant ships belonging to citizens of United States of Mexico	411	Gallagher, W. :—Specfn. of invention filed by —	582
Forests :—Erratum in notfn. No. 882-F of 3rd May 1889, 379; erratum in notfn. No. 909-F of 30th Aug. 1889	518	Galvin, M., sub-asst. apothy., to be 2nd grade asst. apothecary	417
Forster, Lt. P. B. B., Middlesex regt., wing offr., 2nd Sikh infy., Punjab Field Force, admtd. to B.S.C., subject to confirmation	546	Gamble, Mr. R. A., B.C.S., apptd. to offe. as an enrolled offr. in fines. and comce. dept., and is posted to office of compr. of India treasures 555; to offe. as an enrolled offr., class IV	504
Foss, Capt. K. M., depy. asst. comsy.-genl., 1st class, apptd. to be asst. comsy.-genl., 4th class	531	Ganes Singh, Subadar, to be subadar-maj., 11th Bengal infy.	399
Fowler, Lt. F. J., Bo.S.C., apptd. C.D.S.O.	562	Ganesh Singh, Havildar, to be jemadar, 36th Bengal infy.	511
Fox, H. H., exe. engr., 4th grade, p. w. d., promtd. to exe. engr., 3rd grade, sub. <i>pro tem.</i>	543	Ganga Ram, Kot-Dafadar, to be jemadar, 6th Bengal cavy.	309
		Garbett, Lt.-Col. C. H., B.S.C., to be enl.	510
		Garbett, Capt. C. H. V., promtd. to maj., B.S.C., subject to H. M.'s approval	547
		Garden, 2nd-Lt. A. R. H., Dorsetshire regt., probnr. for Indian staff corps, posted to M.S.C. 437; posted to Bo.S.C.	513

	Page		Page
Garlick, W.:—Specfn. of invention filed by —	588	Goldie, Lt.-Col. B. J., R.E., granted extn. of furlo. or leave (m. c.)	663
Garrett, Capt. R. V., asst. comr., 3rd class, and offg. asst. comr., 2nd class, apptd. to be an asst. comr., 2nd class, Berar commn.	579	Golding, J. F.:—Specfn. of invention filed by —	526
Garstin, Capt. G. L., B.S.C., 9th Bengal lancers, granted leave to proceed out of India on p. a.	453	Goldney, Capt. F. C. N., promtd. to maj., B.S.C., subject to H. M.'s approval 630; permtd. to retire from the service, subject to H. M.'s approval	663
Garvie, Surgn. J., granted extn. of furlo. (m. c.)	510	Gompertz, Mr. R. L. D., offg. supdt., class IV, Indian tel. dept., reverted to his substantive apptt. of asst. supdt., class V, 1st grade, 648; apptd. to offg. as a supdt. in class IV, 658; reverted to his substantive apptt. of asst. supdt., class V, 1st grade	681
Gastrell, Capt. E. T., B.S.C., comdt., Mandalay police battn., Burma, granted furlo. out of India (p. a.)	392	Goodbody, W. R.:—Specfn. of invention filed by —	539
Gentry, Sergt. C., snpr., 1st grade, Punjab irrign., p. w. d., to be sub-condr.	670	Goodenough, Lt. H. L., B.S.C., offg. squad. offr., 2nd regt., C.I. Horse, apptd. to offg. as a poll. asst., 3rd class	606
Geoghegan, Lt. S., Royal Irish regt., posted to M. S. C.	531	Goodfellow, Mr. A. T., exmr., 4th class, 2nd grade, sub. <i>pro tem.</i> , superior accta. branch, promtd. to exmr., 4th class, 2nd grade, permtd., 463; promn. of — antedated	657
Ghani Khan, Havildar, to be jemadar, 21st Bengal infantry	431	Goodwin, G. A.:—Specfn. of invention filed by —	396
Ghulam Dastgir, private, 14th regt., Madras infy., granted medal	512	Gopa, Jemadar, promtd. to be subadar, Merwara battn. 540; apptd. subadar-maj., Merwara battn.	626
Ghulam Kadir, Jemadar, to be subadar, 19th (Punjab) regt. of Bengal infy.	655	Gopal Singh, Havildar, to be jemadar, 19th (Punjab) regt. of Bengal infy.	655
Ghulam Kadir Khan, Dafadar, to be jemadar, 17th Bengal cavy.	462	Gordon, Hon'ble H. W., B.C.S., offg. puisne judge of high court at Fort William in Bengal, services of — replaced at disp. of govt. of Bengal	449
Ghulam Kadir Khan, Havildar, to be jemadar, 83rd regt., Bengal infy.	663	Gordon, Maj. J. C. F., B.S.C., 6th (Prince of Wales) regt. of Bengal cavy., granted leave to proceed out of India on m. c.	685
Ghulam Murtaza, private, 8th regt., Madras infy., granted medal	512	Gordon, Capt. J. C. F., promtd. to maj., B.S.C., subject to H. M.'s approval	630
Ghulam Muhammad, Gunner-Havildar, No. 2 (Derajat) mountain batty., to be jemadar	438	Gordon, Lt.-Col. J. E., Bombay infy., retirement of — approved	679
Gibbs, W. A.:—Specfn. of invention filed by —	526	Gordon, Lt. R. F. C., Hampshire regt., squad. offr., 15th Bengal cavy., admtd. to B.S.C., subject to confirmation 445; admn. of — to B.S.C. as lt. approved	679
Gibson, Mr. D. H., apptd. a 3rd grade offr., Indian marine	600	Gordon, Col. W., B.S.C., transfd. to unemployed supy. list	453
Giffard, P.:—Specfn. of invention filed by —	634	Gore, Maj. St. G. C., R.E., depy. supdt., 4th grade, survs., to offg. as asst. survr.-genl.	582
Gilbert, C. F., exe. engr., 4th grade, p. w. d., promtd. to exe. engr., 3rd grade, sub. <i>pro tem.</i>	543	Gough, Maj. Genl. Sir C. J. S., K.C.B., V.C., Bengal cavy., to be lt.-genl.	424
Gilchrist, J.:—Specfn. of invention filed by —	582	Gough, Lt. G., Calcutta voltr. rifle corps, resigns his commn.	619
Gilchrist, Maj. R. A., B.S.C., 2nd cavy., Hyderabad contgt., tenure of apptt. of mily. secy. to resdt. at Hyderabad is extended	555	Gough, Lt. S. C., B.S.C., 5th Bengal cavy., granted leave to proceed out of India on m. c.	599
Gilchrist, W. G., exe. engr., 2nd grade, state rys., promtd. to exe. engr., 1st grade, sub. <i>pro tem.</i>	499	Gourojee Rao, private, 27th regt., Madras infy., granted medal	512
Giles, Lt. W., promn. of — to capt., B.S.C., approved	446	Governor-General:—Notice of Viceroy's levee at govt. house, Calcutta, 465; notice of drawing room to be held at govt. house, Calcutta, by the Viceroy and Marchioness of Lansdowne 466; notfn. regarding the departure of Viceroy and — from Simla 525; ditto ditto 528; direction regarding the assembling of council of — at Calcutta, 604, 621; notfn. regarding the arrival of Viceroy and — at Calcutta, 649; apptt. of time and place for a meeting of legislative council of —	659
Gilmon, J. C., 2nd grade asst. apoth., promn. of — to 1st grade asst. apoth. sanctioned	600	Govindeo Raj, private, 4th regt., Madras infy., Pioneers, granted medal	512
Gilrath, Revd. A. of M. E. church at Ajmere, apptd. to be a marriage registrar within territories of native states under Rajputana agency	397	Govind Rao Khandekar, supdt. of office of comr. of	
Godfrey, Mr. F. E., exmr., class IV, grade 2, permtd., superior accta. branch, promtd. to exmr., class IV, grade 1, permtd.	661		
Godfrey, Lt.-Col. G., Madras infy., promn. of — to col., Indian army, approved	445		
Godwin-Austen, Mr. H., offg. 2nd asst. supdt., Port Blair and Nicobars, obtained priv. leave 449; services of — placed at disp. of foreign dept. for employment in Berar commn. 604; apptd. to be an asst. comr., 1st class, in Hyderabad assigned districts	606		
Goff, Comdr. G. C., ord. dept., granted extn. of furlo. (m. c.)	556		
Gokul, Jemadar, to be subadar, 37th Bengal infy.	399		
Gokul Dube, Jemadar, to be subadar, 9th regt., Bengal infy.	663		

	Page		Page
Ajmere, apptd. to be extra asst. comr. and treasury offr. at Ajmere	468	Groves, Mr. H., exa. engr., 2nd grade, transfd. from state rys., to Burma provl. estab.	455
Gowan, Lt.-Col. B. E., B.S.C., to be col.	510	Groves, Mr. H. S., asst. acott.-genl., Bombay, granted priv. leave, 403; apptd. to act as depy. acott.-genl., Bombay, 506; to offe. in class II of enrolled list	535
Gracey, Mr. H. K., apptd. member of B.C.S., and to N.-W. P., Oudh, Punjab and C. P.	625	Guddiah, private, 8th regt., Madras infy., granted medal	512
Gracey, Maj. T., R.E., supdg. engr., 3rd class, state rys., services of — placed at disp. of govt. of Madras, for employment on rys. in that presdy.	601	Guise, Mr. R. F., dist. supdt. of police, Bengal, services of — replaced at disp. of govt. of Bengal	402
Grant, Mr. A., exa. engr., 3rd grade, transfd. from Punjab estab. to Burma for provl. works 455; promtd. to exmr., 4th class, 3rd grade, permtd. supr. accta. branch, 483; apptd. to act as exmr. of gnaranteed ry. accta., Bombay, 523; apptd. to offe. as exmr. of gnaranteed ry. accta., Bombay, in 3rd class of exmrs. 620; promn. of — antedated	657	Gunga Ram, Rai Sahib, asst. engr., 2nd grade, transfd. from Punjab estab. to Burma for provl. works	455
Grant, Lt. F. C., B.S.C., squad. offr. and adjt., 2nd regt., C. I. Horse, apptd. 4th squad. comdr., 1st regt.	635	Gunga Singh, Jemadar, 1st regt., C. I. Horse, promtd. to be resaidar	533
Grant, 2nd Lt. F. D., Hampshire regt., offg. wing offr., 1st Punjab infy., Punjab frontier force, admtd. to B.S.C., subject to confirmation 423; to rank as lt. in B.S.C., subject to H. M.'s approval 423; admn. of — to B.S.C. as lt. approved	629	Gunthorpe, Col. E. J., dist. supdt. of police, 3rd (offg. 2nd) class, Berar police, apptd. to offe. as a dist. supdt. of police, 1st class, 466; promtd. to col. in the army, subject to H. M.'s approval 511; to be col.	679
Grant, Col. F. W., B.S.C., permtd. to retire from the service, subject to H. M.'s approval 393; apptd. to be a depy. comr., 2nd class, 469; retirement of — approved	629	Gurdatt Singh, Kot-Dafadar, to be jemadar, 3rd Bengal cavy.	663
Grant, Hony. Lt. and Depy. Asst. Comsy. G. M., to be asst. comsy.	521	Gurdon, Lt. B. E. M., from Manchester regt., admn. of — to B.S.C. as lt. approved	430
Grant, Capt. and Bt.-Maj. S., R.E., exa. engr., 2nd grade, mily. works dept., to offe. as asst. secy., mily. secretariat	437	Gurdon, Col. E. P., B.S.C., permtd. to reside out of India	622
Graves, Maj. H. A., promtd. to be lt.-col., B.S.C., subject to H. M.'s approval 425; promn. of — to lt.-col., B.S.C., approved	557	Gwatkin, Capt. F. S., B.S.C., station staff offr., Ferozepore, apptd. to be a dist. staff offr., 2nd class	403
Gray, 2nd Lt. F. W. B., Royal Berkshire regt., posted to M.S.C.	661		
Gray, Bde.-Surgn. R., M.B., Bengal estab., offg. inspr.-genl. of civil hospita., Punjab, services of — replaced at disp. of govt. of the Punjab	604	H	
Gray, Condr. T., sub-engr., 2nd grade, mily. works dept., granted furlo. out of India (m.c.)	622		
Gray, Mr. W. B., exmr. of accta., apptd. to offe. as exmr. of accta., E. B. S. ry., in 3rd class of exmrs.	455	Haig, W. S., asst. engr., 1st grade, state rys., promtd. to exa. engr., 4th grade, permtd., 499; services of — retransfd. to engr. estab. 620; transfd. to estab. under dir.-genl. of rys., for employment on frontier ry. surv.	657
Green, Surgn. C. R. M., I.M.S., apptd. to offe. as medl. offr. of Erinpura irr. force	397	Hailes, Maj. and Bt. Lt.-Col. W., promtd. to lt.-col., B.S.C., subject to H. M.'s approval	538
Green, Lt. E. S., apptd. to be capt.-comdt., Gaubati rifles	522	Hailey, Surgn. P. O. W., granted leave to proceed out of India on p. a.	404
Green, Lt. G. E. T., M.S.C., confirmed in his apptt. as asst. comr., 4th grade, in Burma	407	Haji Muhammad Abdulla Badelah Khan Bahadur, apptt. of — as consul for Turkey at Madras, recognised	451
Greenwood, A., sub-asst. apothy., to be 2nd grado asst. apothy	447	Hall, E. J.:—Specfn. of invention filed by —	539
Gregory, Mr. J. M., asst. engr., 2nd grade, posted to Madras	648	Hall, Lt. E. S., from Wiltshire regt., admn. of — to B.S.C. as lt. approved	556
Greig, Lt.-Col. P. H., Bombay genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 430; promn. of — to col., Indian army, approved	630	Hall, Lt. H. S. G., promn. of — to capt., B.S.C. approved	440
Grey, Lt. W. G., South Lancashire regt., probnr. for Indian staff corps, posted to M.S.C.	437	Halliday, Hon'ble F. M., B.C.S., renominated to be an addl. member of govr.-genl.'s legislative council	683
Griesbach, Mr. C. L., C.I.E., services of — replaced at disp. of reve. and agrl. dept. 411; apptd. to be supdt., geol. snrv. of India dept.	554	Hallifax, Mr. A. G., apptd. member of B.C.S., and to Bengal, L. P.	625
Griffiths, Surgn.-Maj. W. E., granted extn. of furlo. (m.c.)	429	Hallowes, Lt. F. W., Border regt., wing offr., 24th (Punjab) regt. of Bengal infy., admtd. to B.S.C., subject to confirmation	601
		Hallum, Mr. E. H., exa. engr., 2nd grade, state rys., permtd. to retire from govt. service	658
		Ham, Mr. W. J., asst. dir.-genl. of post offices of India and depy. post mr. genl., 2nd grade, granted priv. leave 384; apptd. to offe. as post mr. genl. of Bengal and will act as a post mr. genl., 2nd grade, 538; apptd. depy. post mr. genl. of Burma and to act in 1st grade	668
		Hamilton, 2nd Lt. A. S., Derbyshire regt., probnr. for Indian staff corps, posted to B.S.C.	437

	Page
Hamilton, Lt. G. F. D., depy. asst. comsy.-genl., 2nd class, apptd. to be depy. asst. comsy.-genl., 1st class, 496; granted leave within Indian limits (p. a.) 556; correction in last notfn.	599
Hamilton, Mr. R. E., apptd. substantively to class II of enrolled list, acct. dept.	519
Hamilton, Revd. W. A., apptd. to offe. as chaplain of Jubbulpore, 407; apptd. to offe. as chaplain of Nagpur	593
Hamira, Jemadar, promtd. to be subadar, Merwara battalion	540
Hammond, Col. F. C. B., B.S.C., 5th Punjab cavy., Punjab frontier force, granted leave to proceed out of India on m. c.	599
Hammond, Snb-Cond. T., ord. dept., on probn., confirmed in present grade	430
Hancock, Lt. F. H., D.S.C., granted extn. of furlo. or leave (p. a.)	628
Hancock, Lt.-Col. G. E., Bo.S.C., to be col.	510
Handcock, Col. A. G., B.S.C., comdt., 6th regt., Bengal (light) infy., granted furlo. out of India (p. a.)	669
Handcock, Maj. R. G., B.S.C., granted extn. of furlo. or leave (m. c.)	619
Händel, R.:—Specfn. of invention filed by —	539
Hanna, Col. H. B., B.S.C., retirement of — approved	520
Hanrahan, Lt. W. G. A., Mnssoorie voltr. rifle corps, resigns his commn.	393
Hanron, Sub-Cond. M., mily. works dept., granted furlo. (m. c.) in extn. of furlo.	622
Harcourt, Col. A. F. P., B.S.C., retirement of—approved	423
Harcourt, H. M.:—Specfn. of invention filed by —	396
Hardatt Singh, Bahadur, risaldar maj., 9th Bengal lancers, admtd. to 1st class of Order of British India, with title of "Sardar Bahadur"	521
Hardy, Mr. R. G., apptd. capt., Cawnpore voltr. rifle corps	655
Hare, Mr. L., apptd. capt.-comdt., Dacca voltr. rifle corps	600
Hare, Mr. R. D., asst. comr., 1st class, Berar commn., apptd. to be a depy. comr., 3rd class, but to continue to be seconded for employment in foreign service	469
Hare, Mr. W. H. M., asst. supdt., class V., 1st grade, Indian tel. dept., apptd. to offe. as a supdt. in class IV, 440; reverted to his substantive apptd. of asst. supdt. class V	631
Hari Singh, Havildar, to be jemadar, 1st Punjab infy., Punjab frontier force	542
Harman, Mr. J. M., exe. engr., 2nd grade, sub. <i>pro tem.</i> , transfd. to estabt. under administration of Burma for employment on rya.	544
Harold, Mr. C. C., exmr. of accts., p. w. d., services of—placed at disp. of H. H. the Nizam's govt.	657
Harpal Singh, Jemadar, to be subadar, 33rd regt. of Bengal infy.	663
Harrison, Mr. A. G., exmr. of accts., tempy. rank, transfd. from office of exmr., p. w. accts., Bengal, to that of exmr. of accts., mily. works	620
Harrison, Lt.-Col. C. W. I., R.E., offg. chief engr. and joint secy. to govt. of Bengal, re-transfd. to N.-W. P. and Oudh, and apptd. to offe. as chief engr. and joint secy. to that govt.	687
Harrison, Mr. F. C., promtd. to be enrolled offr., class IV, acct. dept.	519
Harrison, Mr. H., comdt. of H. H. the Gaskwar's	

	Page
local battn. at Dhari, apptd. to be asst. to govr.-genl.'s agent at Baroda, in charge of Okhamandal, and comdt. of Waghir corps, sub <i>pro tem.</i>	626
Harrison, Mr. P., apptd. member of B.C.S., and to N.-W. P. Oudh, Punjab, and C. P.	625
Harsa Singh, Jemadar, to be subadar, 29th (Punjab) regt. of Bengal infy.	532
Hart, Mr. G. H. R., to offe. in class II of enrolled list, acct. dept., 519; to revert to class III	598
Hart, Sergt. B., comst. dept., to be sub-cond.	439
Hart, Col. R. C., V.C., R.E., offg. dir. of mily. education in India, apptd. to be dir. of mily. education in India	429
Hartigan, Lt. E. R., Bo.S.C., services of—replaced at disp. of mily. dept.	378
Harvey, Lt.-Col. E., R.E., exe. engr., 1st grade, Punjab, on spl. duty with the accts. comtee., promtd. to supdg. engr., 3rd class, spl.	394
Harvey, Mr. W., exe. engr., 1st grade, sub. <i>pro tem.</i> state rya., permtd. to retire from the service	440
Hasan Khan, Jemadar, to be subadar, 24th (Punjab) regt. of Bengal infy.	542
Havemann, C. H. T.:—Specfn. of invention filed by—	379
Hawkes, Maj. R. T., graded as mily. acctt., 4th class	686
Hawkins, Mr. O. R., permtd. to resign H. M.'s B.C.S.	650
Hawkins, Lt. G. A., B.S.C., 4th Bengal infy., apptd. to be depy. asst. comsy. genl., 2nd class, on probation	519
Hay, Col. J., B.S.C., 1st battn., 4th Gurkha regt., granted leave to proceed out of India on m. c. 429; to be col.	510
Hay, Mr. J., apptd. 2nd Lt., Coosipore arty. voltra.	619
Hayes, Capt. C. H., B.S.C., 1st regt. of Bengal cavy., granted leave to proceed out of India on p. a.	654
Hazelgrove, Lt. H. S., exe. comst. offr., Neemuch, held charge of current duties of office of cantt. magte., Neemuch, in addn. to his own duties	397
Hazlett, Surgn.-Maj. H. J., I.M.S., Madras estabt., apptd. to offe. as exmr. of medl. accts., Madras and Bombay circles	445
Head, Lt. H. F., R.A., apptd. supy. subaltern, No. 3 field batty., Hyderabad contgt.	677
Heath, Mr. H. A., dist. supdt. of police, 3rd class, Berar police, apptd. to offe. as a dist. supdt. of police, 2nd class	466
Heath, Mr. W. F., exe. engr., p. w. d., correction of date of leave granted to—400; permtd. to retire from the service	532
Hebbert, F. B., exe. engr., 3rd grade, state rya., promtd. to exe. engr., 2nd grade, sub. <i>pro tem.</i>	409
Heinig, Mr. J., exe. engr., 1st grade, N.-W. P. and Oudh, apptd. to offe. as supdg. engr.	514
Heinricks, Mr. G. K., apptd. of—as actg. consul for Germany at Bombay, recognised	436
Henderson, F. G., sub-asst. apothy., promtd. to be 2nd grade asst. apothy.	680
Henderson, Surgn.-Maj. G., M. D., permtd. to retire from the service, subject to H. M.'s approval	622
Henderson, Capt. P. E., B.S.C., asst. comr., 1st grade, Assam, services of—temply. placed at disp. of foreign dept. 449; apptd. to offe. as cantt. magte. at Secunderabad	460
Henderson, Surgn. S. H., M.B., I.M.S., Bengal estabt., services of — placed temply. at disp. of chief comr. of Assam	459

INDEX TO THE GAZETTE OF INDIA,

	Page		Page
Hendley, A. G., probnr. for I.M.S., apptd. surgn. on Bengal establt. 581; admn. of — to I.M.S. as surgn. approved 541; reptd. his arrival at Bombay	661	Hill, Mr. H. C., consvr. of forests, 2nd grade, Upper Burma, apptd. to offe. as inspr.-genl. of forests	503
Hennessey, 2nd Lt. J. P. C., South Wales Borderers, offg. wing offr., 8th regt. of Bengal infy., admt'd. to B.S.C., subject to confirmation, and to rank as lt. in B.S.C.	541	Hill, 2nd Lt. J., Oxfordshire light infy., wing offr., 2nd Bengal infy., admt'd. to B.S.C., subject to confirmation and to rank as lt. in B.S.C.	510
Hensley, Mr. F. P., exmr. of accts., tempy. rank, tempy. attd. to office of exmr. of accts., Sind-Pishin state ry., re-transfd. to office of exmr. of accts., North-Western ry.	620	Hilliard, Lt. H. N., B.S.C., granted extn. of furlo. (p. a.)	556
Henslowe, Mr. C. W. E., class II of superior reve. establt. of state rys., p. w. d., re-transfd. to engr. establt., with rank of exe. engr., 1st grade, and posted to rys. under control of Burma administration	463	Hilson, Depy. Srgn.-Genl. A. H., M.D., altn. of date of rank approved	446
Heppolatte, W. A., 1st grade asst. apothy., promtd. to be 2nd grade apothy	680	Hira Singh, Mr. —, sub-asst. consvr. of forests, Punjab, transfd. to Ajmere	527
Herbert, Capt. C., B.S.C., offg. poll. asst., 1st class, and asst. comr. of Ajmere, granted furlo.	460	Hira Singh, Jemadar, from 36th Bengal infy., to be subadar, 16th Bengal infy.	399
Herbert, Lt. C., B.S.C., 44th Bengal infy., granted leave to proceed out of India on m. c. 423; to offe. as a poll. agent, 3rd class, 504; to be a substantive poll. asst., 1st class, but to continue to offe. as a poll. agent, 3rd class	504	Hira Singh, Jemadar, cavy, Eriapura irr. force, promtd. to be reasaldar	583
Herbert, Lt. D., from Lincolnshire regt., admn. of — to P.S.C. as lt. approved	430	Hira Singh, Risaldar, 9th Bengal lancers, admt'd. to 2nd class of Order of British India, with title of Bahadur	522
Herbert, Lt. L., squad. offr., 1st regt., C. I. Horse, apptd. to be 4th squad. comdr., 1st regt., 503; apptd. 4th squad. comdr., 1st regt., but to remain seconded for service on the staff	635	Hira Singh, Jemadar to be subadar, 1st Punjab infy., Punjab frontier force	542
Heron, Mr. A. C., asst. engr., Indian marine. permt'd. to resign the service	447	Hirka, Havildar, infy., Eriapura irr. force, promtd. to be jemadar	543
Hewatson, Col. C. C., M.S.C., retirement of — approved	446	Hoare, Mr. H. J., apptd. member of B.C.S., and to N.-W. P., Oudh, Punjab and C. P.	625
Hewitt, Mr. St. J., exe. engr., 4th grade, tempy. rank, Rajpottana, tempy. employed in ry. branch, transfd. permtly. to state rys.	408	Hobbs, Lt. S. H. B., B.S.C., 14th Bengal lancers, granted leave (p. a.) in extn. of leave	392
Hibbert, Lt.-Col. J., Bombay infy., promn. of — to col., approved	424	Hodding, 2nd Lt. J. S., South Staffordshire regt., probnr. for Indian staff corps, posted to M.S.C.	437
Hickie, Mr. W. C., depy. audr., Ondh and Rohilkhand ry., apptd. to offe. as audr.	515	Hodges, Mr. E., exe. engr., 2nd grade, granted spl. leave	454
Hickley, Lt. A. C., West Riding regt., wing offr., 40th regt., Bengal infy., admt'd. to B.S.C., subject to confirmation	669	Hodges, Mr. R. N., exe. engr., 2nd grade, state rys., transfd. from establt. under govt. of Bengal to that under dir.-genl. of rys. for employment on Moghal sarni-Howrah ry. sury.	515
Hickman, Capt. D.W., B.S.C., granted extn. of furlo. or leave (m. c.)	628	Hodgson, Col. C. N., B.S.C., 32nd (Punjab) regt. of Bengal infy. (Pioneers), granted leave to proceed out of India on p. a.	520
Hickmott, H. C. W. :— Specfn. of invention filed by —	450	Hodgson, Lt. G. B., promn. of — to capt., B.S.C., approved	445
Hickmott, J. E. :— Specfn. of invention filed by —	450	Hodson, C. W., exe. engr., 2nd grade, sub. <i>pro tem.</i> , state rys., promtd. to exe. engr., 2nd grade, permt.	499
Higham, T., supdg. engr., 3rd class, p. w. d. promtd. to supdg. engr., 2nd class, tempy.	440	Hoe, D. G. :— Specfn. of invention filed by —	398
Hight, Lt. E. L., promn. of — to capt., B.S.C., approved	446	Hoff, B. :— Specfn. of invention filed by —	379
Hill, Humble C. H., barrister-at-law., offg. puisne judge of high court at Fort William, Bengal, services of — replaced at disp. of govt. of N.-W. P. and Oudh	450	Hogan, Sub-Cond. E., const. dept., to be cond.	430
Hill, Mr. E. E., apptd. to be 2nd lt., Northern Bengal voltr. rifle corps	438	Hogg, Sir F. R., K.C.I.E., C.S.I., permt'd. to resign H. M.'s B.C.S.	378
Hill, F. B. :— Specfn. of invention filed by —	467	Hogg, Maj.-Genl. G. F., C.B., Bo.S.C., placed on list of lt.-genls.	404
Hill, Sub-Cond. G., asst. barrack Mr., mily. works dept., promtd. to barrack Mr., 2nd class, tempy., 630; promtd. to barrack Mr., 2nd class, permt.	630	Hogg, Maj. H. C., Bo.S.C., retirement of — approved	520
		Hogg, Lt. T. C. M. T., Connanght Rangers, offg. wing offr., 29th (Punjab) regt. of Bengal infy., admt'd. to B.S.C., subject to confirmation	541
		Hogge, Lt. A. F., promn. of — to capt., B.S.C., approved	446
		Holliday, Mr. M., apptd. of — as consul for the Netherlands at Akyab, recognised	540
		Hollis, Sergt. W. M., royal engr., mily. works dept., to be sub-cond. 431; correction of Christian names of —	462
		Holmes, Col. A. L'E. H., B.S.C., granted extn. of furlo. (m. c.)	437
		Holmes, J., naik, 1st regt., Madras infy. (Pioneers), granted medal	512
		Holms, Mr. W. F., asst. engr., 2nd grade, posted to Punjab	648

	Page
Home, Col. R., C.I.E., R.E., inspr.-genl. of irriga- and depy. secy. to govt. of India in p. w. d., services of — replaced at disp. of milly dept. . . .	687
Home, Lt.-Col. S. B., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval . . .	588
Hope, J.—Specfn. of invention filed by — . . .	467
Hopkinson, Lt.-Col. W., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval	680
Horan, Mr. C. T., 2nd grade offr., Indian marine, permtd. to resign the service	656
Hornidge, Mr. S., forest dept., Bombay, services of— replaced at disp. of govt. of Bombay	582
Hoskins, Mr. C. J. A., apptd. capt., Mussoorie voltr. rifle corps	655
Hoskyn, Comdr. R. F., R. N., arrived at Bombay and assumed charge as survr. in charge of marine surv. of India	647
Honsden, Lt. A. P., from Royal Irish fusiliers, admn. of — to B.S.C. as lt. approved	511
Housden, C. E., exe. engr., 4th grade, p. w. d., promtd. to exe. engr., 3rd grade, sub. <i>pro tem.</i> . . .	543
How, W. F.—Specfn. of invention filed by — . . .	396
Howard, H.—Specfn. of invention filed by — . . .	526
Howard, Lt.-Col. T., R.E., exe. engr., 1st grade, granted extn. of spl. leave	432
Howard, Mr. W. H. K., asst. engr., 2nd grade, posted to state rye. 648; services of — placed at disp. of govt. of Madras	648
Howell, Mr. A. P., resdt., 1st class, and resdt. at Hyderabad, sub. <i>pro tem.</i> , services of — replaced at disp. of home dept. 380; permtd. to resign H. M.'s B.C.S.	407
Howell, Lt.-Col. H., B.S.C., 1st Punjab infy., Punjab frontier force, granted leave to proceed out of India on p. a.	541
Hughes, Lt.-Col. C. F., B.S.C., promtd. to lt. col. .	662
Hughes, Mr. T. W. H., supdt., geol. surv. of India, granted priv. leave	435
Hughes, Col. W. G., M.S.C., retirement of — approved	446
Hukam Chand, <i>Bahadur</i> , subadar-maj., 4th Punjab infy., Punjab frontier force, admtd. to 1st class of Order of British India with title of <i>Sardar</i> <i>Bahadur</i>	521
Hume, Surgn.-Maj. T., M.B., Madras medl. estabt., apptd. to be offg. medl. offr., 2nd infy., Hyderabad contingent	510
Hume, Lt.-Col. W. F., Bombay infy., retirement of — approved	520
Hunt, Mr. E. L., exe. engr., 1st grade, state rye., granted spl. leave in extn. of spl. leave	532
Hunt, Maj. H. V., B.S.C., asst. comsy.-genl., 3rd class, apptd. asst. comsy.-genl., 2nd class, 423; promtd. to lt.-col., B.S.C., subject to H. M.'s approval, 511; promn. of — to lt.-col., B.S.C., approved	678
Hunter, Lt. J. G., promn. of — to capt., B.S.C., approved 445; leave granted to — in g. o. No. 240 of 1889, was on m. c. and not on p. a. . . .	622
Hurley, A. L., sub-asst. apothy., Bengal, to be 2nd grade asst. apothy.	600
Hutchins, Sergt. H. D. W., comst. dept., to be sub- conductor	430
Hutchinson, Lt. F. P., promn. of — to capt., B.S.C., approved	445

	Page
Hutchinson, Maj. H. D., B.S.C., 1st battn., 3rd Gurkha regt., granted leave to proceed out of India on p. a.	599
Hutchinson, Maj. J. B., promtd. to be lt.-col., B.S.C., subject to H. M.'s approval 425; promn. of — to lt.-col., B.S.C., approved	557
Hutton, Mr. E., presdy. post mr., Calcutta, temply. apptd. comptr., post office	506
Hutton, Store-Sergt. J., ord. dept., to be sub-condr.	446
Hydari, Mr. M. A., probnr., attd. to office of comptr., C. P., temply. transfd. to office of acctt.-genl., Punjab, 398; to revert to class of probnrs. 398; to offe. in class VI, acct. dept., 398; to revert to class of probnrs. 444; to offe. in class VI, enrolled list 444; to offe. in class V, enrolled list, 598; to revert to class VI, enrolled list, 598; granted priv. leave 635; transfd. to office of comptr. and audr.- genl. 651; granted an extn. of priv. leave 668; to revert to class of probnrs. 684; to offe. in class VI	684
Hyde, Mr. H. T., reporter for Indian law reports in high court, Calcutta, granted leave 650; unexpired portion of leave granted to — is can- celled	073
Hyderabad assigned dists.—So much of Act X of 1880 as amends Indian Penal Code and Prisoners Act, 1871, shall be deemed to have applied to— 519; Nagpur jail deemed to be a prison within territories subject to resdt. at Hyderabad 519; insertion of sec. 22A after sec. 22 of — courts law, 1889, 587; control of Hyderabad-Umarkot ry. surv. placed under dir.-genl. of rye.	602
Hynes, Mr. G. J., depy. post mr. genl., Burma, granted leave to Europe on m. c.	608

I

ILEA, Lt. H. W., R.A., subaltern, No. 2 Bengal mountain batty., granted furlo. out of India (m. c.)	669
Imam-nd-din, Munshi, Tahsildar, 2nd grade, Ajmere- Merwara, apptd. to be reve. extra asst. comr. in Ajmere-Merwara	606
Impey, Lt. L., B.S.C., offg. poll. asst., 3rd class, to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 504; to offe. as a poll. asst., 2nd class, 504; to be a substan- tive poll. asst., 3rd class, but to continue to offe. as a poll. asst., 2nd class, 585; to be a poll. asst., 2nd class, sub. <i>pro tem.</i> , 586; reverts to offg. poll. asst., 2nd class, 586; to offe. as a poll. asst., 1st class, 587; reverted to offg. poll. asst., 2nd class .	634
Indyat Ali Khan, Kot-Dafadar, to be jemadar, 1st Punjab cavy., Punjab frontier force	663
Inglis, Lt.-Col. D. W., Bengal infy., promn. of — to col., Indian army, approved	511
Inglis, Condr. J., barrack mr., 1st class, milly. works dept., granted furlo. out of India (m. c.) . .	541
Inglis, Lt.-Col. and Col. in the Army R. H., promn. of — to col., Bengal infy., approved	424
Iredell, Col. F. S., Bombay infy., to be maj.-genl. .	424
Irwin, Mr. G. R., offg. jnnr. under-secy. to govt. of India in foreign dept., apptd. to offe. as under- secretary	668
Irwin, Mr. H., C.I.E., supdg. engr., 3rd class, temply. rank, offg. supdg. engr. and secy. to agents to	

INDEX TO THE GAZETTE OF INDIA,

	Page		Page
govr.-genl. for Rajputana and C. I., services of — placed at disp. of govt. of Madras for employment as conng. architect to that govt.	498	current duties of office of poll. agent at Muscat, in addn. to his own duties 461; granted priv. leave	503
Ismail Khan, Dafadar, to be jemadar, 5th Bengal cavalry	647	Jeffreys, Maj. and Bt. Lt.-Col. P. D., Connaught Rangers, apptd. to be a dist. staff offr., 1st class	461
Izat, Mr. A., supdg. engr., 1st class, state rya., permtd. to retire from govt. service	492	Jennings, E., probnr., I.M.S., apptd. surgn. on Bengal establt. 531; admn. of — to I.M.S. as surgn., approved 541; reptd. his arrival at Bombay	661
J			
JACK, Surgn. D. M., promn. of — to surgn.-maj., Bengal medl. establt., approved	434	Jennings, Lt. H. A. K., R.A., ord. offr., 3rd class, granted leave in India (p. a.) 510; granted leave in India (m. c.)	556
Jackson, Lt.-Col. G. D. A., Bengal genl. list, cavy., promtd. to col. in the army, subject to H. M.'s approval	647	Jervis, Capt. S. W., B.S.C., granted extn. of leave (p. a.)	453
Jackson, Capt. H. M., R.E., offg. depy. supdt., 4th grade, surv. of India, services of — placed temply. at disp. of foreign dept.	539	Jewett, T. H., exe. engr., 3rd grade, sub. <i>pro tem.</i> , p. w. d., promtd. to exe. engr., 3rd grade, permtd.	543
Jackson, Lt. S. C. F., Hampshire regt., apptd. to be a d.-c. on persnl. staff of Maj.-Genl. Sir G. S. White, K.C.B., V.C., comdg. Quetta dist.	392	Jhanda Singh, Havildar, to be jemadar, 2nd Sikh infy., Punjab Frontier force 497; to be subadar	599
Jackson, W.:—Specfn. of invention filed by —	634	Jiwan Singh, jemadar, to be subadar, 26th Bengal infantry	462
Jacob, Mr. S., promtd. to be acctt.-genl., class III, 519; promtd. to be acctt.-genl., class II	668	Jiwan Singh, Subadar, 4th Punjab infy., Punjab Frontier force, admtd. to 2nd class of Order of British India, with title of <i>Bahadur</i>	522
Jacob, Maj. S. L., R.E., exe. engr., 1st grade, Punjab, apptd. to offe. as a supdg. engr., p. w. d., 405; ditto ditto	631	Jiwan Singh, Jemadar, to be subadar, 28th (Punjab) regt. of Bengal infy.	599
Jacob, Col. S. S., B.S.C., exe. engr., 1st grade, Rajputana, employed under Jeypore state, apptd. to offe. as supdg. engr. and secy. to agents to govr.-genl. for Rajputana and C. I., in addn. to his own duties	499	Jiwand Singh, Jemadar, to be reussaidar, 13th Bengal lancers	622
Jagdis Rai, <i>Rai Sahib</i> , exe. engr., 4th grade, <i>tempy. rank</i> , transfd. from Punjab establt. to Burma for provl. works	455	Johns, Mr. E. H., exmr., 4th class, 3rd grade, <i>tempy.</i> , superior acctt. branch, p. w. d., promtd. to exmr., 4th class, 3rd grade, sub. <i>pro tem.</i> , 463; apptd. exmr. of acctt., Mu valley state ry.	657
Jagesar Misir, Havildar, to be jemadar, 6th Bengal infantry	430	Johnson, Lt. A. C. B., B.S.C., wing offr., 2nd battn., 1st Gurkha regt., granted furlo. out of India (p. a.)	646
Jahāngir Khan, Havildar, to be jemadar, 9th regt., Bengal infantry	599	Johnson, Surgn.-Maj. E. R., granted extn. of furlo. or leave (m. c.)	623
Jaimal Singh, Havildar, to be jemadar, 28th Bengal infantry	431	Johnson, Mr. H., exe. engr., 1st grade, state rya., permtd. to retire from the service	532
Jai Singh, Bahadur, Subadar-Maj., infy. of corps of guides, admtd. to 1st class of Order of British India, with title of " <i>Sirdar Bahadur</i> "	521	Johnson, J. Y.:—Specfn. of invention filed by —	526
James, Lt. H., promn. of — to capt., B.S.C., approved 446	446	Johnson, R., 2nd grade supy. senr. apothy., confirmed in that grade	680
James, H. W., asst. engr., 1st grade, p. w. d., promtd. to exe. engr., 4th grade, <i>tempy.</i>	543	Johnson, Lt. T. G., promn. of — to capt., B.S.C., approved	445
James, Surgn. R., medl. offr., 5th infy., Hyderabad contgt., apptd. to be medl. offr., 3rd cavy.	392	Johnson, Mr. W. H., exe. engr., 1st grade, Punjab, services of — placed at disp. of foreign dept. for employment in Kashmir state	681
James, Mr. S. H., C.S., secy. to govt. of India in legislative dept., granted priv. leave of absence 573; unexpired portion of leave granted to — is cancelled	673	Johnstone, 2nd Lt. F. H., Northamptonshire regt., posted to M.S.C.	618
James, Lt. W. B., from Derbyshire regt., admn. of — to B.S.C. as lt., approved	511	Johnstone, Sub-Cond. T., barrack mr., 2nd class, mily. works dept., promtd. to barrack mr., 1st class, <i>tempy.</i>	630
Jamieson, Lt.-Col. L. F., B.S.C., promtd. to col. in the army, subject to H. M.'s approval	663	Jollis, Lt. F., 20th Hussars, probur. for Indian staff corps, posted to M.S.C.	487
Janglir Gurung, Havildar, to be jemadar, 2nd battn., 4th Gurkha regt.	404	Jolly, Sub-Cond. W., sub-engr., 3rd grade, Punjab, p. w. d., to be cond.	521
Jardine, 2nd Lt. W. Y., Royal Berkshire regt., probnr. for Indian staff corps, posted to M.S.C.	437	Jones, Lt.-Col. A. F., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval	647
Jarrett, Col. H. S., B.S.C., granted extn. of furlo. (m. c.)	520	Jones, Lt. H. J., B.S.C., 14th (The Ferozepore Sikh) regt. of Bengal infy., granted leave to proceed out of India on p. a.	619
Jayakar, Snrgn.-Maj. A. S. G., I.M.S. (Bombay), agency surgn. at Muscat, apptd. to hold charge of		Jones, Mr. J. J., class II, superior reve. establt. of state rya., loco. dept., permtd. to retire from the service	671
		Jordau, Surgn. J. G., M.S., granted leave to proceed out of India on p. a.	677
		Jugeraj Singh, Kot-Dafadar, to be jemadar, 8th Bengal cavy.	447

	Page
Jugganackloo, private, 32nd regt., Madras infy., granted medal	512
Junjara, Havildar, promtd. to jemadar, Merwara battalion	635
Justice, Lt. C. LeG., promn. of — to capt., B.S.C., approved	446
Juthia Khattri, Subadar-Maj. 13th (The Shekhawati) regt. of Bengal infy., admt. to 2nd class of Order of British India, with title of <i>Bahadur</i>	522
Jwala Parshad, Kote-Dafadar, 1st regt., C. I. Horse, promtd. to be jemadar	583
Jyacan, private, 33rd regt., Madras infy., granted medal	512

K

KAMÁN SING THÁPA, naick, 2nd battn., 2nd Gurkha regt., granted medal	431
Kanak Singh Thápa, Jemadar, to be subadar, 1st battn., 5th Gurkha regt., Punjab Frontier force	425
Kán Singh, jemadar, to be resaidar, 6th Bengal cavy.	399
K. ppey, Lt. M. A. B., Royal marine light infy., posted to M.S.C.	618
Kapnrthala :—Govt. of N.-W. P. and Oudh and any of its secretaries authorised to exercise with respect to the raja of—'s estates and property in Oudh certain functions assigned to govr.-genl. in council and a secy. to govt. of India	380
Karam Khan, Ressaidar, to be risaidar, 17th Bengal cavalry	462
Kásé Ram Gúrding, Havildar, to be jemadar, 2nd battn., 2nd Gurkha regt. (Sirmoor rifles)	622
Kaye, Lt. J. L., offg. squad. offr., 1st regt., C. I. Horse, apptd. to offe. as a poll. asst., 3rd class, and is posted as asst. to govr.-genl.'s agent for C. I., 469; to offe. as a poll. asst., 2nd class, 567; reverted to offg. poll. asst., 3rd class	634
Kazi Jalal-ud-din Khan, tahsildar in Pishin, apptd. to be a native asst. to govr.-genl.'s agent in Baluchistan, and is posted to Pishin	402
Keefer, Surgn.-Maj. W. N., granted extn. of furlo. (m. c.) 399; ditto ditto 628; permtd. to retire from the service, subject to H. M.'s approval	664
Keelan, E. J., exe. engr., 2nd grade, sub. <i>pro tem.</i> , state rys., promtd. to exe. engr., 2nd grade, permtd., 499; transfer of — to estabt. under govt. of Madras for employment on rys. cancelled	589
Keene, Mr. H. G. H., asst. comptr.-genl., in charge of paper currency, Calcutta, granted priv. leave, 423; above priv. leave extended	598
Kehar Singh, Kot-Dafadar, to be jemadar, 19th Bengal lancers, 430; ditto ditto	521
Kellie, Surgn. G. J., promn. of—to surgn.-maj., Bengal medl. estabt., approved	424
Kellner, Mr. E. W., depy. comptr.-genl., to offe. as acctt.-genl., Bengal, 403; to offe. as acctt.-genl., class II, 598; to revert to class I of enrolled list	598
Kellner, Lt. G. F., Calcutta voltr. rifle corps, resigns his commn.	619
Kelly, Maj. H. H., M.S.C., promtd. to lt.-col.	663
Kelly, Col. J., Madras unattd. list, correction of date of rank of—	511
Kelly, Maj. J. G., promtd. to lt.-col., B.S.C., subject to H. M.'s approval 511; promn. of — to lt.-col., B.S.C., approved	678
Kemble, Col. H. C., cavy., permtd. to retire from the	

service, subject to H. M.'s approval 511; retirement of — approved	679
Kench, H., exe. engr., 4th grade, tempy. rank, p. w. d., promtd. to exe. engr., 4th grade, sub. <i>pro tem.</i>	543
Kendall, Mr. C. J. C., 2nd grade offr., I. M., apptd. asst. surv., 4th class, marine surv. of India	664
Kennion, 2nd Lt. R. L., King's Own Scottish Borderers, offg. wing offr., 4th Punjab infy., Punjab frontier force, admt. to B.S.C., subject to confirmation 685; and to rank as lt. in B.S.C., subject to H. M.'s approval	695
Kensington, Mr. A., apptd. to offe. as under-secy. to govt. of India in dept. of Finco. and Comco. 540; services of — replaced at disp. of govt. of the Punjab	668
Keogh, Supy. Sub-Cond. W. E., absorbed in grade of sub-cond.	521
Kerahaw, J. :—Specfn. of invention filed by —	435
Kerwick, Sub-Cond. R., ord. dept., on probn., confirmed in present grade	462
Kesar, Jemadar, to be subadar, 25th Bengal infy.	399
Kesar Singh, Ressaidar, to be resaidar, 5th Punjab cavy., Punjab frontier force	404
Kesheo Rao Jey Krishna, extra asst. comr., 5th class, Berar commn., promtd. to extra asst. comr., 4th class	606
Keyes Lt.-Genl. Sir C. P., K.C.B., M.S.C., promtd. to genl. on unemployed supy. list	663
Keyling, L. :—Specfn. of invention filed by—	396
Khan Muhammad Khan, Kot-Dafadar, to be jemadar, 19th Bengal lancers, 430; ditto ditto	521
Kharag Chand, Havildar, to be jemadar, Bhopal battalion	435
Kharak Sing, Jemadar, to be subadar, 19th (Punjab) regt. of Bengal infy.	655
Khem Singh, Bárá, C. I. E., nominated to be an addl. member of govr.-genl.'s legislative council	401
Khem Singh, Havildar, infy., Erinpura irr. force, promtd. to be jemadar	583
Khuda-bakhsh, Jemadar, to be subadar, 21st Bengal infantry	431
Khuayál Singh, Jemadar, to be subadar, 38th Bengal infantry	462
Kiernander, Mr. C. R. C., depy. audr.-genl., to offe. as depy. comptr. genl. 403; granted priv. leave	469
Killick, C. S., asst. engr., 1st grade, state rys., promtd. to exe. engr., 4th grade, tempy.	499
Kincaid, Lt. W. A. S., R.E., apptd. to p. w. d. as asst. engr., 2nd grade, and posted to state rys. 601; posted to estabt. under govt. of Madras for employment on rys.	601
Kincaid, Col. W., M.S.C., placed on list of maj.-genls. 430; transfd. to unemployed supy. list	679
King, Surgn.-Maj. G., promn. of — to bde.-surgn., Bengal medl. estabt., approved	446
King, Lt. H., from South Wales Borderers, admn. of — to B.S.C. as lt., approved	511
King, Mr. M., exe. engr., 1st grade, N.-W. P. and Oudh, will continue to offe. as a supdg. engr. 405; apptd. to offe. as a supdg. engr.	448
King, Maj. B. A. C., R.A., ord. offr., 2nd class, sub. <i>pro tem.</i> , confirmed in that class	531
King, Mr. S. H., treasury offr. at Quetta, granted priv. leave	502

	Page		Page
Klusman, Revd. V. W., chaplain of Nowgong, obtained furlo. on m. c.	650	Lal Singh, Jemadar, to be reemaidar 19th Bengal lancera	521
Kirk, Sub-Cond. D., permtd.-way inspr., North-Western ry., p. w. d., granted furlo. out of India (m. c.)	445	Lamb, Capt. H. C., promtn of — to maj., B.S.C., approved	445
Kirk, Mr. H. A., asst. supdt., class V, 1st grade, and offg. supdt., class IV, Indian tel. dept., permtd. promtd. to supdt., class IV, 3rd grade	523	Lane, Lt. H. A., offg. wing offr., 4th infy., Hyderabad contgt., apptd. offg. squad. offr., 2nd cavy.	423
Kirkpatrick, Mr. H. C., reporter for Indian Law Reports in high court, Bombay, unexpired portion of leave granted to — is cancelled	673	Lane, Surgn. W. B., Bengal establt., reptd. his arrival at Bombay	437
Kirkwood, Lt. T. M., Somersetshire light infy., offg. wing offr., 4th infy., Hyderabad contgt., admtd. to B.S.C., subject to confirmation 403; admu. of — to B.S.C. as lt., approved, 629; apptd. wing offr., 4th infy., Hyderabad contgt.	677	Lang, Lt.-Col. R. T. M., Bengal genl. list, cavy promtd. to col. in the army, subject to H. M.'s approval	588
Kisch, Mr. H. M., post mr. genl., Bengal, granted priv. leave	588	Langford, Revd. R. J., junr. chaplain on Bengal eedl. establt., to be a senr. chaplain	526
Kishanbir Nagerkoti, Subadar, 1st battn., 5th Gurkha regt., Punjab frontier force, grant to — of a gold bar with certain inscription, sanctioned	400	Langhorne, Lt. H. S., R.A., supy. subaltern, No. 8 field batty., Hyderabad contgt., apptd. supy. subaltern, No. 4 field batty.	677
Kishor Singh, Color-Havildar, 9th Bengal infy., to be jemadar, 16th Bengal infy.	399	Lappin, J. J.:—Specfn. of invention filed by—	526
Knapp, Mr. C. C. B., exe. engr., 3rd grade, Burma, posted to Baluchistan	631	Larminie, Mr. W. R., permtd. to resign H. M.'s B.C.S.	517
Knox, Capt. F. R. B., 2nd-in-comd. Snb. <i>pro tem.</i> , 2nd cavy., Hyderabad contgt., apptd. equad. comdr. and 2nd-in-comd., 3rd cavy.	677	La Société des Générateurs à Vaporisation Instantanée (Système Serpollet):—Specfn. of invention filed by—	379
Knowles, Col. F., B.S.C., permtd. to retire from the service, subject to H. M.'s approval 438; retirement of — approved	629	Laughton, Col. A. F., C.B., M.S.C., retirement of approved	424
Knowlys, Mr. H. B., depy comr., 3rd class, Berar commu., apptd. a depy. comr., 2nd class	379	Laurence, Lt. R. T. R., R.E., asst. engr., 1st grade, sub. <i>pro tem.</i> , mily. works dept., promtn of — to asst. engr., 1st grade, permtd., cauctioned	589
Königs, Sub-Cond. J. J., struck off the strength of Bengal miscellaneous list	531	Laurie, Mr. M., apptd. member of B.C.S. and to Burma	626
Kuadal Khan, Kot-Dasadar, to be jemadar, 5th Punjab, cavy. Punjab frontier force	404	Law, Lt.-Col. V. E., Madras cavy., promtn. of — to col., approved 424; to be a poll. agent, 2nd class, sub. <i>pro tem.</i> , 503; to offe. as a poll. agent, 1st class, 504; reverted to his substantive grade of poll. agent, 2nd class, 634; to be a substantive poll. agent, 3rd class, but to continue to offe. as a poll. agent, 1st class, 504; reverts to substantive grade of poll. agent, 2nd class, 584; to offe. as a poll. agent, 1st class	584
Kunhardt, Capt. H. G., R.E., manager and engr.-in-chief, Tirhoot state ry., granted spl. leave	400	Lawrence, Lt.-Col. A. J., C.I.E., 3rd admtn. battn., N.-W. P. voltr. and Allahabad voltr. rifle corps, apptd. comdt., 2nd admtn. battn., N.-W. P. voltr., 400; apptd. comdt., Mussoorie voltr. rifle corps	400
Kunwar Bir Bikram Singh, son of H. H. the Raja of Sirmoor (Nahan), granted hony. rank of lt.	532	Lawrence, Mr. E., under-secy. to govt. of India in dept. of Finoe. and Comce., granted priv. leave, 469; apptd. enrolled offr., class II, but to continue to hold the apptt. of under-secy. to govt. of India in dept. of Finoe. and Comce.	668
Kusnezoff, W.:—Specfn. of invention filed by—	539	Lawrence, Maj. R. C. B., 1st Dragoon guards, dist. staff offr., 2nd class, granted furlo. out of India (p. a.) 445; apptd. dist. staff offr., 1st class	677
L		Layton, 2nd Lt. E., Royal Welsh fusiliers, apptd. to be adjt., 4th admtn. battn., N.-W. P. volunteers	497
LACHMAN, subadar-maj., 2nd Sikh infy., Punjab frontier force, admtd. to 2nd class of Order of British India, with title of <i>Bahadur</i>	522	LeBreton, Maj. W. I., B.S.C., exmr. of p. w. accts., Bombay, resigned his apptt. in p. w. d. 400; retirement of — approved	520
LaCompagnie Generale des Explosifs Favier:—Specfn. of invention filed by—	450	Lee, Mr. E. A., depy. exmr., 2nd grade, permtd., superior accts. branch, p. w. d., promtd. to depy. exmr., 1st grade, snb. <i>pro tem.</i>	483
Lahauri, Havildar, to be jemadar, 5th Punjab infy., Punjab frontier force	599	Lee, Sub-Cond. E. H., ord. dspt., on probn., confirmed in present grade 463; promtd. to depy. exmr., 1st grade, permtd.	658
Laing, Lt. F. C., Border regt., wing offr., 39th regt. of Bengal infy., admtd. to B.S.C., subject to confirmation	541	Leeds, Lt. L. N., admu. of — to B.S.C. as lt. approved	430
Lala Chokhanand, Mir Munshi of office of govr.-genl.'s agent in Baluchistan, apptd. to offe. as native asst. to govr.-genl.'s agent in Baluchistan at Quetta	428	Legat, Sub-Cond. T., ord. dept., to be cond.	647
Lal Khan, Havildar, to be jemadar, Bengal sappers and miners	438		
Lallu, Jemadar, promtd. to be subadar, Merwara battalion	540		
Lal Singh, Jemadar, to be reemaidar, 19th Bengal lancera	430		

	Page		Page
Lehna Singh, subadar, to be subadar-maj., 25th Bengal infy.	399	and C. I., granted leave on m. c. 439; transfd. from C. I. and Rajputana to Burma for employment on provl. works 515; correction in notfn. regarding —	589
Lehna Singh, Subadar, 45th (Battrays Sikhs) regt. of Bengal infy., admt. to 2nd class of Order of British India, with title of <i>Bahadur</i>	522	Little, Lt.-Col. and Col. H. A., B.S.C., col. on the staff, Bengal, apptd. C.B.	662
LeMaistre, Mr. G. H., depy. exmnr. 2nd grade, perm., superior accta. branch, promtd. to depy. exmnr., 1st grade, sub. <i>pro tem</i>	681	Livermore, Mr. H. A., 1st grade offr., Indian Marine, and asst. survr., 3rd class, promtd. to asst. survr., 2nd class, sub. <i>pro tem</i>	604
LeMesurier, Col. A., C.I.E., R.E., chief engr., 2nd class, p. w. d., promtd. to chief engr., 1st class, permanent	440	Lloyd, Mr. C. V., asst. engr., 2nd grade, posted to state rys., 648; services of — placed at disp. of chief comr. of Burma	648
Lennox, Col. S. W., Madras infy., to be maj.-genl. on unemployed supy. list	425	Lloyd, Maj. R. O., R.E., exe. engr., 2nd grade, Burma, permtd. to avail himself of unexpired portion of furlo. 439; transfd. to estabt. under govt. of Madras for employment on East coast survey	543
Lenox-Conyngham, Lt. G. P., R.E., apptd. to 2nd grade of asst. supdts. in surv. of India dept. and joined his apptt.	428	Lloyd, 2nd Lt. W. E. E., Durham light infy., a candidate for B.S.C., apptd. to be offg. wing offr. on probn., 4th infy., Hyderabad contgt.	398
Leslie, Mr. N. U. K., apptd. to Indian tel. dept. as asst. supdt.	589	Lloyd, Capt. W. K., 1st battn., Suffolk regt., vested with powers of a magte. of 3rd class to be exercised within limits of Sipri cantt. 460; invested with power to try breaches of any rules or regns. made under sec. 25 of Act III of 1880, as extended to Sipri cantt. within limits of Sipri cantonment	461
Lesmond, Mr. W. A., exe. engr., 2nd grade, transfd. to estabt. under administration of Burma for employment on rys. 544; above transfer cancelled 589; transfd. to estabt. under dir.-genl. of rys. for employment on frontier ry. surv.	657	Loan:—Notfn. regarding four per cent.—381; rule substituted for rule 4 of rules for raising of loans by local authorities in open market	436
Letts, Jemadar R. A., to be subadar, 16th Bengal infantry	399	Loch, Lt. G. H., promtd. to capt., B.S.C., subject to H. M.'s approval 453; promn. of — to capt., B.S.C., approved	629
Leventhorpe, J. B., exe. engr., 4th grade, p. w. d., promtd. to exe. engr., 3rd grade, sub. <i>pro tem</i>	543	Loch, Maj. W., B.S.C., addl. poll. agent, 3rd class, and boundary sett. offr. in Marwar, and asst. to resdt. in Western states of Rajputana, apptd. to hold charge of current duties of office of resdt., 2nd class, and resdt. in Western states of Rajputana, in addn. to his own duties 436; to be a substantive poll. agent, 3rd class, but to continue to be seconded as an addl. poll. agent, 3rd class	504
Loveason, Mr. H. G. A., apptd. member of B.C.S. and to Burma	626	Locke, Lt. C. A., from Royal marine light infy., admn. of — to B.S.C. as lt., approved	556
Leveson-Gower, Lt. C. C., from Royal Warwickshire regt., admn. of — to B.S.C. as lt., approved	430	Logan, Mr. R., acctt.-genl., Punjab, granted priv. leave 384; promtd. to be acctt.-genl., class III, 668; to be acctt.-genl., class II	668
Lewis, Maj. E. J. G., B.S.C., mily. acctt., 1st class, 2nd grade, granted leave in India (m. c.) 622; graded as mily. acctt., 2nd class	685	Loharu:—Expression of satisfaction at the abolition of all transit dues in the state of the Nawab of — in the Punjab	380
Lewis, Depy. Asst. Comay. J., Bombay estabt., granted hony. rank of lt.	541	Low, Revd. J., apptd. a junr. chaplain on Bengal (Rangoon) eccl. estabt.	517
Liddell, Mr. C., apptd. 2nd Lt., Mussoorie voltr. rifle corps	447	Low, Col. (Brigdr.-Genl.) Sir R. C., K.C.B., Bengal cavy., good service pension conferred on —	513
Lights and light dues:—Statement of receipts and expenditure on account of Burma coast lights during the year ending 31st Mar. 1889	461	Lowdell, Surgn. C. G. W., I.M.S. (Bombay), medl. offr., 2nd regt., C. I. Horse, and of Goona poll. agency, apptd. to offe. as medl. offr. of Malwa Bheel corps and of Bhopawar poll. agency	495
Lillingston, Lt.-Col. E. G., B.S.C., promtd. to col. in the army, subject to H. M.'s approval 462; to be colonel	679	Lewis, Maj.-Genl. R. F., R.A., dir.-genl. of ord. in India, granted genl. leave in India (p. a.)	622
Lindsay, Mr. B., apptd. member of B.C.S. and to N.-W. P., Oudh, Pnnjab and C. P.	625	Lewis, Lt. R. M., Somersetshire light infy., wing offr., 22nd Bengal infy., admt. to B.S.C., subject to confirmation 437; admn. of — to B.S.C. as lt. approved	629
Lindsay, Mr. E. J., apptd. 2nd Lt., Cossipore arty. volunteers	619	Lozé, A. E. H.:—Specfn. of invention filed by —	583
Lindsay, Lt. H. A. P., 1st West India regt., posted to M.S.C.	618	Lucas, Capt. C. C. St. E., depy. asst. comsy.-genl., 1st class, apptd. to be asst. comsy.-genl., 4th class	496
Lindsell, Capt. P. B., B.S.C., granted extn. of furlo. or leave (p. a.)	445		
List, G. H., exe. engr., 1st grade, sub. <i>pro tem</i> , state rys., promtd. to exe. engr., 1st grade, perm., 499; apptd. to offe. as a supdg. engr., 3rd class	620		
Liston, Col. J., B.S.C., permtd. to retire from the service, subject to H. M.'s approval 532; retirement of — approved	679		
Litchfield, Mr. E. F., depy. consvr. of forests, 4th (offg. 3rd) grade, N.-W. P. and Oudh, attd. to Impl. forest surv. branch, apptd. to offe. as supdt. of forest surva.	651		
Lithgow, Depy. Surgn.-Genl. S. A., C.B., D.S.O., medl. staff, brought on admive. medl. staff of the army	628		
Litster, Mr. D. M., asst. engr., 1st grade, Rajputana			

	Page
Lucas, Lt. F. G., East Lancashire regt., offg. wing offr., 2nd battn., 5th Gurkha regt., Punjab Frontier force, admt'd. to B.S.C., subject to confirmation 445; admn. of — to R.S.C. as lt. approved . . .	679
Lucas, Maj. H. C. E., Bo.S.C., asst. coms.-genl., 3rd class, to be asst. coms.-genl., 2nd class . . .	661
Ludlow, Col. E. S., C.I.E., M.S.C., depy comr., 3rd class, Berar commn., appt'd. to be a depy. comr., 2nd class, but to continue to be seconded during employment in foreign service . . .	469
Luke, A., 2nd grade supy. apothy., confirmed in that grade . . .	447
Lumba, Jemadar, promtd. to be subadar, Merwara battalion . . .	540
Lumsden, Cap ^t . H. R. W., B.S.C., granted extn. of furlo. (m. c.), 530; ditto ditto . . .	662
Lumsden, Surgn. P. J., Bengal establt., reptd. his arrival at Bombay . . .	437
Lumsden, Lt.-Genl. Sir P. S., G.C.B., C.S.I., B.S.C., placed on list of genls. . .	670
Luxmore, Col. C. T. P., graded as mily. acctt., 3rd class . . .	685
Lyall, Mr. C. J., C.I.E., secy. to chief comr., Assam, and offg. judge and comr. of Assam valley dists., to offe. as secy. to govt. of India in home dept. . .	449
Lye, G. A., 1st grade offr., Indian marine, granted extn. of furlo. or leave (m. c.) . . .	408
Lye, Lt. R. C., from Hampshire regt., adunn. of—to B.S.C. as lt., approved . . .	429
Lyle, Mr. J. C., asst. engr., 2nd grade, posted to establt. under control of govt. of Madras for employment on rys. . .	602
Lynch, sub-condr. T., ord. dept., on probn., confirmed in present grade . . .	404
Lyne, 2nd Lt. C. V. N., Liverpool regt., posted to M.S.C. . . .	618
Lyons-Montgomery, Capt. H. F., B.S.C., asst. coms.-genl., 3rd class, granted furlo. out of India (p. a.) . .	461

M

MACANDREW, Lt. H. J. M., Lincolnshire regt., offg. squad. offr., 5th Bengal cavy., admt'd. to B.S.C., subject to confirmation	646
Macartney, Condr. H., of p. w. d., Bengal, transf'd. to pension estabt.	399
Macanlay, Lt. P. J. F., R.E., appt'd. to mil'y. works dept. as asst. engr., 2nd grade, tempy., 438; ditto ditto, 542; appt'd. to p. w. d. as asst. engr., 2nd grade, and posted to state rya., 601; posted to estabt. under dir.-genl. of rya. for employment on Moghalsarai-Howrah ry. surv.	601
MacCartie, Surgn. F. F., M.B. (Bombay estabt.), appt'd. a probnr. in assay dept., L'ombay mint	529
Macdonald, Col. D., B.S.C., depy. supdt., 1st grade, surv. of India, granted furl. out of India (p. a.)	582
Mardonald, Lt. F. W. P., B.S.C., offg. poll. asst., 3rd class, to offe. as a poll. asst., 2nd class, 505; to be a substantive poll. asst., 3rd class, but to continue to offe. as a poll. asst., 2nd class, 584; to be a poll. asst., 2nd class, sub. <i>pro tem.</i> , 586; to offe. as a poll. asst., 1st class, 586; reverts to offg. poll. asst., 2nd class, 586; to offe. as a poll. asst., 1st class, 587; reverted to offg. poll. asst., 2nd class, 634;	

	posted as asst. to govr.-genl.'s agent in Baluchistan; 660; period during which — was employed as asst. to govr.-genl.'s agent and to genl. supdt. of operations for suppression of thagi and daktaiti in Rajputana	660
Macdonald, Mr. R. G., depy. acctt.-genl., p. w. d., promtd. from exmr., 2nd class, to exmr., 1st class, <i>tempy. rank</i>		394
Macdonald, Surgn. T. R., M.B., services of — placed permtd. at disp. of chief comr., C. P.		378
Macdonald, Mr. W. R., apptd. 2nd Lt., Calcutta voltr. rifle corps		619
MacDonnell, Capt. A. C., R.E., garrison instrn. staff, granted furlo. out of India (p. a.)		618
MacDonnell, Mr. A. P., C.S.I., secy. to govt. of India in home dept., apptd. to offe. as chief comr. of Burma		449
MacDonnell, Capt. R. D., M.S.C., transfer of — from half-psy list to retired list approved		629
MacDuff, Rev. H., apptd. hony. chaplain, Berar voltr. rifle corps		656
MacGeorge, Mr. G. W., exe. engr., 1st grade, state rys., granted furlo. in extn. of furlo.		455
MacGill, Mr. R., extra asst. comr., 5th class, Berar commn., apptd. to be an extra asst. comr., 4th class		469
MacGregor, Maj. and Bt. Lt.-Col. C. R., B.S.C., apptd. C.D.S.O.		602
Macintyre, Lt. D. C. F., B.S.C., granted extn. of furlo. or leave (m. c.)		628
MacIvor, C. V., exe. engr., 1st grade, sub. <i>pro tem.</i> , state rys., promtd. to exe. engr., 1st grade, permtd.		499
MacIvor, Capt. I., B.S.C., offg. poll. agent, 3rd class, to offe. as a poll. agent, 2nd class, 587; reverted to offg. poll. agent, 3rd class		634
Mackenzie, Mr. A., C.S.I., chief comr. of C. P., obtained priv. leave 395; resumed charge of office of chief comr. of C. P.		573
Mackenzie, Surgn. A. W., promtn. of — to anrgn.-maj., Bengal medl establt., approved		424
Mackenzie, Col. G., B.S.C., retirement of — approved		424
Mackenzie, Lt.-Col. J. S. F., graded as mily. acctt., 4th class, 686; granted furlo. out of India (p. a.)		686
Mackenzie, Col. K. J. L., apptd. to be judl. comr. in Hyderabad assigned dists.		379
Maclean, Col. (Local Brigdr.-Genl.) C. S., C.B., C.I.E., B.S.C., granted local rank of maj.-genl. whilst employed on Persian-Afghan frontier		520
Macleane, Mr. C. F. H., asst. supdt., class V, 1st grade, Indian tel. dept., apptd. to offe. as a supdt. in class IV		620
MacLiesh, Mr. J., apptd. of — as actg. consular agent for United States of America at Rangoon, recognised		380
Macnaghten, Col. W. H., C.B., cavy., granted extn. of furlo. or leave (m. c.)		404
Macnamara, Surgn. R. J., M.D., I.M.S., medl. offr., wing 6th, Bengal infy., services of — temply. placed at disp. of govt. of the Punjab		378
Macneill, Lt.-Col. J. G. R. D., C.B., Madras genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval		686
Macpherson, Capt. D. A. A., promtd. to maj., B.S.C., subject to H. M.'s approval 399; promtn. of — to maj., B.S.C., approved 557; graded as mily. acctt., 2nd class		686

	Page		Page
Macpherson, Col. J. D., B.S.C., granted extn. of furlo. or leave (m. c.)	463	Mansfield, Capt. and Bt. Maj. H., B.S.C., asst. coms.-genl., 4th class, apptd. asst. coms.-genl., 3rd class	433
Macpherson, Mr. J. L., exmr. of accts., attd. to office of exmr. of tel. accts., transfd. to office of exmr. of p. w. accts., N.-W. P. and Oudh, temply.	658	Mán Singh, Havildar, to be jemadar, 5th Punjab infy., Punjab frontier force	454
Macpherson, Mr. J. M., barrister-at-law, depy. secy. to govt. of India in legislative dept., apptd. to offe. as secy. in that dept.	573	Manson, Mr. A., permtd. to resign. H. M.'s B.C.S.	638
Maotaggart, Surgn. C., M.B., I.M.S., services of — placed temply. at disp. of govt. of N.-W. P. and Oudh	378	Mansúr Ali, Havildar, to be jemadar, 10th Bengal infantry	425
Madden, Lt.-Col. J. M., Bombay genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 497; promn. of — to col. approved	678	Mansúr Ali, Havildar, to be jemadar, 21st (Punjab) regt. of Bengal infy.	521
Madho Sing Rana, Jemadar, to be subadar, 2nd battn., 4th Gurkha regt.	404	Mansúr Ali Khan, Jemadar, to be enbadar, 10th Bengal infy.	511
Magrath, Col. H. M. S., dist. magte. of civil and mily. station of Bangalore, held charge, in addn. to his own duties, of offices of asst. to resdt. in Mysore, and secy. to chief comr. of Coorg	402	Marcoolyn, Sergt. H. J., qr. mr. genl.'s office, to be sub-condr. 630; granted furlo. out of India (m. c.)	669
Mahabir, private, 10th regt., Madras infy., granted medal	512	Mardall, Lt. C. E., graded as asst. mily. acctt., 3rd class	685
Maha Singh, Kot-Dafadar, to be jemadar, 6th Bengal cavalry	399	Marine Dept.:—Notfn. to the effect that the blockade of continental dominions of Sultanate of Zanzibar was raised 542; declaration of conclusion of the above blockade	656
Mahendar Singh, Havildar, to be jemadar, 9th Bengal infantry	431	Marks, Surgn. R. J., granted extn. of furlo. (m. c.), 404; ditto ditto	520
Mahtab Singh, <i>Sardar Bahadur</i> , anbadar, to be subadar-maj., 23rd Bengal infy. (Pioneers)	454	Marquis, Store-Sergt. J. W., ord. dept., to be sub-conductor	647
Mai Dhan, Havildar, to be jemadar, 10th Bengal infantry	425	Marrett, Capt. E. U., B.S.C., granted extn. of furlo. or leave (m. c.)	445
Mainwaring, Lt.-Col. E. P., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval	680	Marriott, Lt.-Col. E. M. L., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 399; promn. of — to col. approved	557
Major, 2nd Lt. F. F., Dorsetshire regt., probnr. for Indian staff corps posted to M.S.C.	437	Marsh, Col. F. H. B., genl. list, infy., granted furlo. out of India (p. a.)	429
Major, Col. F. W., graded as mily. acctt., 3rd class	685	Marshall, Lt.-Col. C. H. T., B.S.C., promtd. to col. in the army, subject to H. M.'s approval	588
Makhu Lal.—Specfn. of invention filed by—	378	Marshall, Lt.-Col. G. F. L., R.E., supdg. engr., 3rd class, p. w. d., promtd. to supdg. engr., 2nd class, sub. <i>pro tem.</i>	440
Mallock, Col. H. A., B.S.C., depy. dir.-genl. of tels., and offg. dir.-genl. of tels., promtd. permty. to dir.-genl. of tels.	440	Marshall, Mr. J. A., asst. exmr., 2nd grade, permtd., superior accts. branch, p. w. d., promtd. to asst. exmr., 1st grade, permtd.	463
Mána Khan, Havildar, to be jemadar, 10th Bengal infantry	425	Marshall, Capt. W. S., B.S.C., wing offr., 37th (Dogra) regt. of Bengal infy., granted furlo. out of India (p. a.)	662
Mander, Lt.-Col. F. D., Bombay genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 430; promn. of — to col., Indian army, approved	630	Martin, Lt.-Col. and Col. in the Army C. C. B., promtd. to col., Bengal army, subject to H. M.'s approval	647
Mangla, Havildar, promtd. to be jemadar, Merwara battalion	540	Martin, E. J., chief engr., 2nd class, sub. <i>pro tem.</i> , p. w. d., promtd. to chief engr., 2nd class, permtd.	440
Maniksha Ruttanji Dastur, extra asst. comr., 5th class, Berar commn., apptd. to be extra asst. comr., 4th class, 469; promtd. to extra asst. comr., 3rd class	606	Martin, Lt. G. W. K., Oudh voltr. rifle corps, resigns his commn.	680
Mani Narayan Thapa, sepoy, 42nd Gurkha light infy., admd. to 3rd class of Order of Merit	497	Martin, Maj. M. K., B.S.C., squad. comdr., 2nd regt., Bengal cavy., granted furlo. out of India (p. a.) 669; promtd. to maj., B.S.C., subject to H. M.'s approval	670
Mann, Mr. G., consvr. of forests, 2nd grade, Assam, to offe. in 1st grade 460; reverted to consvr., 2nd grade, 460; to offe. in 1st grade of consvrs. 460; to revert to his substantive apptt. in 2nd grade	675	Martindale, Mr. A. H. T., offg. poll. agent, 2nd class, and 1st asst. to govr.-genl.'s agent for C. I., offtd. as a resdt., 1st class, and as govr.-genl.'s agent for C. I. in addn. to his own duties 451; apptd. to offe. as an addl. poll. agent, 1st class, and as poll. agent in Jhallawar 451; offtd. as a resdt. of 1st class and as govr.-genl.'s agent in C. I. 460; to be a poll. agent, 2nd class, sub. <i>pro tem.</i> , 504; reverts to offg. poll. agent, 2nd class, 536; reverts to offg. poll. agent, 2nd class, and is posted as 1st asst. to govr.-genl.'s agent in C. I.	680
Mann, Maj. G. F., R.E., granted extn. of furlo. or leave (m. c.)	599	Martindale, Lt. C. S. deB., asst. comr., Burma, services of — replaced at disp. of govt. of Punjab	650
Manna Khan, Naick, 45th Bengal infy. (Sikhs), granted medal	431	Martindell, Mr. H., passed student of Secbpore col.	
Mansel, Maj. C. G., B.S.C., 3rd Punjab cavy., Punjab frontier force, granted leave to proceed out of India on p. a.	541		

	Page		Page
Large apptd. to work as apptd. engr. and posted to Burma	571	comd., 3rd avy., Hyderabad pontgt., apptd. to be 2nd-in-comd., sub. pro tem.	577
Martinson, Mr. A. E., apptd. member of B.C.S. and to N.-W. P., Oudh, Punjab, and C. P.	525	Meade, Capt. M. J., B.S.C., poll. asst., 1st class, to be a substantive poll. agent, 3rd class, 554; posted as poll. agent in Bhopawar	590
Mason, Mr. A. H., exa. engr., 4th grade, tempy. re-ent, p. w. d., transfd. from establt. under govt. of Bengal to that under govt. of Madras for employment on East coast ry. surv.	533	Meares, Mr. W. E., exa. engr., 3rd grade, N.-W. P. and Oudh, tempy. employed in ry. branch, transfd. permty. to state ry.	571
Massey, A. S.:—Specfn. of invention filed by — 396; ditto ditto 467; ditto ditto	526	Mecca Pilgrimage:—Translation of amended article 8 of spl. regns. of Ottoman Board of Health applicable to — of 1889	433
Mastan Singh, Pay-Havildar, to be jemadar, 45th Bengal infy.	438	Meda, Havildar, infy., Erinpura irr. force, promtd. to be jemadar	583
Masters, Capt. A., 2nd squad. comdr., 2nd regt., C. I. Horse, apptd. to be 2nd-in-comd., 2nd regt.	503	Medical:—Notice regarding withdrawal of certain pensions to certain senr. offr. of Indian medl. department	604
Masters, Capt. E. S., B.S.C., wing offr. and adjt., and offg. wing comdr. and 2nd-in-comd., offtd. as comdt., Bhopal battn, 527; continued to offe. as wing comdr. and 2nd-in-comd., in addn. to his own duties as adjt. for certain period, and as wing comdr. and 2nd-in-comd. alone for certain period	527	Medley, Lt. E. J., promn. of — to capt., B.S.C., approved 446; granted extn. of leave (p. a.)	569
Matbar Chattri, sepoy, 42nd Gurkha light infy., admtd. to 3rd class of Order of Merit	497	Medlicott, Mr. A. L., apptd. member of B.C.S. and to Bengal, L. P.	526
Mathias, Mr. G. L'E., 1st grade offr. and asst. survr., 4th class, marine surv. of India, promtd. to asst. survr., 3rd class	564	Mehsana-Viramgam Ry.:—Use of loco. engines or other motive power and carriages and wagons to be drawn or propelled thereby on — sanctioned	455
Mathura Miar, Drill-Havildar, to be jemadar, 4th Bengal infy.	438	Mein, Capt. A. J., Gauhati rifles, resigns his commn.	404
Maung Hpo Thine, asst. engr., 3rd grade, Burma, promtd. to asst. engr., 2nd grade	548	Mein, Lt. F. B., promn. of — to capt., B.S.C., approved	446
Maxwell, 2nd Lt. H. G., Connaught Rangers, offg. squad. offr., 16th Bengal cavy., admtd. to B.S.C., subject to confirmation and to rank as lt. in B.S.C.	510	Meldrum, J. J.:—Specfn. of invention filed by —	526
Mayne, Lt. A. B., B.S.C., squad. offr., 1st regt., C. I. Horse, apptd. squad. offr. and adjt., 2nd regt.	535	Melliss, J. C., C.E.:—Specfn. of invention filed by —	408
Mazhar Ali Khan, Kot-Dafadar, to be jemadar, 1st Bengal cavy.	404	Melville, Capt. H., graded as asst. milly. acctt., 1st class	585
McBlaine, Mr. F., B.C.S., Services of — tempy. placed at disp. of chief cour. of Burma	567	Melville, Lt. P. J., promn. of — to capt., B.S.C., approved 445; to offe. as a poll. agent, 3rd class, 584; reverts to offg. poll. asst., 1st class, 584; to offe. as a poll. agent, 3rd class, 586; posted as asst. comr. of Merwara	551
McCarthy, Lt. G. A., promn. of — to capt., B.S.C., approved	446	Memorials:—Clause substituted for clause (8), rule XII of rules for transmission of — to govt.	504
McDermott, Surgn.-Maj. J. P., M.D., Madras medl. establt., retirement of — approved	424	Merchant shipping:—Order of H. M. the Queen in council revoking certain other order in council in respect of the measurement of the tonnage of vessels belonging to the German empire	529
McDonald, Mr. J., engr., Indian marine, granted furlo. out of India (m. c.)	564	Meredith, Mr. R., apptd. to Indian tel. dept. as asst. superintendent	589
McDonell, Mr. W. F., apptd. 2nd lt., Central Bengal light horse	431	Mhow:—Amendments in foreign dept. notfn. No. 2527-I of 30th July 1885, imposing certain taxes in cantt. of — 539; provisions of — cantt. taxation regns. shall continue to apply to the assessment and collection of taxes leviable in cantt. of —	540
McGiehan, I. S.:—Specfn. of invention filed by —	539	Michell, Capt. St. J. F., promtd. to maj., B.S.C., subject to H. M.'s approval	563
McKee, Mr. J., offg. depy. conservr. of forests, 2nd grade, C. P., transfd. to Coorg. as chief forest offr.	505	Michell, Mr. W., exa. engr., 4th grade, state ry., posted to Madras for employment on ry. in that presdy. 394; promtd. to exa. engr., 3rd grade, snb. pro tem.	558
Mokie, Snb.-Condr. J. W., comst. dept., granted furlo. out of India (m. c.)	531	Miguel, private, 26th regt., Madras infy., granted medal	512
McMorran, Sub.-Condr. C. W., ord. dept., on probn., confirmed in present grade	404	Mihr Sháh, Havildar, to be jemadar, 1st regt., Bengal infy.	557
McMullin, Col. J., M.S.C., transfd. to unemployed supy. list	532	Mihr Singh, Havildar to be jemadar, 26th Bengal infantry	462
McNair, Lt.-Col. and Col. in the Army H. A., promn. of — to col., Bengal infy., approved	434	Miles, Lt. P. J., Royal marine light infy., offg. wing offr., 4th Punjab infy., Punjab frontier force., admtd. to B.S.C., subject to confirmation 403; admn. of — to B.S.C. as lt., approved	539
McNeils, Col. J. M., R.E., chief engr. and joint secy. to govt. of Bengal, p. w. d., re-apptd. to that post	567	Miles, Col. S. B., B.S.C., restdt., 2nd class, and	
McPherson, Mr. D. W., exmr., 4th class, 3rd grade, permtd. superior acctt. branch, promtd. to exmr., 4th class, 2nd grade, sub. pro tem.	463		
Mahe, Maj. A. S., B.S.C., granted extn. of furlo. (m. c.) 399; ditto ditto	556		
Mahe, Capt. J. W. B., squad. offr. and offg. 2nd-in-			

	Page		Page
readt. in Mysore, granted spl. leave 436; above leave extended 438; to be col.	579	furlo. or leave (p. a.) 445; promn. of — to maj., B.S.C., approved	587
Miley, Maj. J. A., B.S.C., milly. acott., 1st class, 2nd grade, apptd. to offe. as contr. of mily. acott., eastern circle, Bengal, 399; graded as mily. acott., 1st class	685	Muir, Col. W. J. W., B.S.C., poll. agent, 1st class, posted as poll. agent in Ulwar 436; granted priv. leave	651
Military Dept.:—Correction in g.g.o. No. 590 of 1889, 400; correction in g.g.o. No. 719 of 1889, 447; correction in g.g.o. No. 700 of 1889 462; g.g.o. No. 959 of 1887 cancelled	497	Muir-Mackenzie, Mr. J. W. P., B.C.S., under-secy. to govt. of India in reva. and agril. dept., apptd. to offe. as secy. in that dept.	582
Morgan, Lt.-Genl. W. D., B.S.C., promtd. to genl., on unemployed supy. list	683	Mula Singh, Drill-Havildar, to be jemadar, 24th (Punjab) regt. of Bengal infy.	542
Morison, J.:—Specfn. of invention filed by—	539	Mullaly, Lt. A., offg. wing offr., apptd. wing offr., 5th infy., Hyderabad contgt.,	677
Morland, Capt. Sir H., Indian marine, port officer, Bombay, unexpired portion of leave granted to — is cancelled	656	Mullane, Surgn. J., M.D., promn. of — to surgn. maj., Bengal medl. estabt., approved	424
Morris, Surgn. H. M., I.M.S., offg. medl. offr., 21st Bengal infy., services of — temply. placed at disp. of chief comr. of Burma	378	Mullen, Surgn. D., M.D., promn. of — to surgn. maj., Bengal medl. estabt., approved	424
Morris, R.:—Specfn. of invention filed by—	396	Müller, E.:—Specfn. of invention filed by—	396
Morris, Mr. T. B., exe. engr., 1st grade, transfd. from Punjab estabt. to Burma for provl. works, 455; permtd. to retire from the service	657	Müller, Mr. F.:—Apptt. of — to be in charge of consulate for Germany at Akyab, recognised	668
Morrison, Mr. F., exmr., 3rd class, p.w.d., promtd. to exmr., 2nd class, <i>tempy. rank</i>	514	Mullick, Mr. B. K., apptd. member of B.C.S., and to Bengal, L. P.	625
Morse, Mr. A., asst. engr., 1st grade, state rys., resumed his rank of exe. engr., 4th grade, sub. <i>pro tem</i>	447	Mulligan, Lt. W. G. T., Mussourie voltr. rifle corps, resigns his commn.	393
Morse, Mr. F. H. W., exe. engr., 2nd grade, sub. <i>pro tem</i> , transfd. from Burma provl. estabt. to state rys. 455; transfd. to estabt. under govt. of Madras for employment on East coast surv.	543	Munneh Khan, Jemadar, to be reassaidar, 17th Bengal cavy.	463
Morhead, Mr. L. F., apptd. member of B.C.S., and to Bengal, L. P.	625	Munshi Bishen Sarup, Rai Bahadur, depy. magte. of Kikri, apptd. temply. to hold charge of onrrent duties of office of asst. comr. of Merwara	468
Morton, Lt. E. R., B.S.C., 30th Bengal infy., granted leave to proceed out of India on p. a.	510	Murli Singh, apptd. to be jemadar, 5th Bengal cavalry	453
Morton, Col. H., B.S.C., retirement of — approved	423	Murphy, Mr. E. A., apptd. lt., Mussourie voltr. rifle corps	447
Morton, Lt. W. R., R.E., asst. engr., 1st grade, p.w.d., Burma, granted furlo. out of India (m.c.)	662	Murphy, G., 1st grade, asst. apothy., to be 2nd grade apothy.	446
Morwood, Surgn. J., M.D., I.M.S., services of — temply. placed at disp. of govt. of N.-W. P. and Oudh	378	Murray, Lt. F., B.S.C., offg. qr. mr., 20th Bengal infy. (Duke of Cambridge's Own), to be depy. asst. comsy.-genl., 2nd class, on probn.	496
Moss, Lt. T., B.S.C., depy. asst. comsy. genl., 2nd class, on probn., confirmed in that apptt.	685	Murray, Lt. G., B.S.C., granted extn. of furlo. or leave (m.c.) 599; above extn. of leave is without pay	619
Mudget, Condr. C., to be depy. asst. comsy. 430; granted hony. rank of lt.	619	Murray, Lt. H. B., B.S.C., 34th Bengal infy. (Pioneers), to be depy. asst. comsy.-genl., 2nd class, on probn.	496
Muhammad Akbar, private, 7th regt., Madras infy., granted medal	512	Murray, J. A., chief engr., Indian marine, granted extn. of furlo. in India (m. c.)	557
Muhammad Baksh, Bahadur, Risaidar, 3rd Bombay cavy., promtd. to 1st class of Order of British India, with title of Sirdar Bahadur	447	Murray, Lt. J. H. S., R.E., apptd. to p.w.d., as asst. engr., 2nd grade, and posted to state rys. 601; posted to estabt. under chief comr., Burma, for employment on rys.	601
Muhammad Hussain, private, 29th regt., Madras infy., granted medal	513	Murray, Sergt. L., barrack sergt., mily. works dept., to be snb. condr., supy.	670
Muhammad Ibrahim, private, 17th regt., Madras infy., granted medal	513	Murray, Mr. S., extra. assa. readt., in charge of readey. civil offices in Hyderabad, apptd. to be an asst. comr., 3rd class, Berar commn.	379
Muhammad Mashaf Ali, 3rd grade hospl. asst., admtd. to 3rd class of Order of Merit	497	Muttanah, Mr. M., sub.-asst. consvr. of forests, offg. asst. consvr. of forests, 3rd grade, C.P., confirmed in that grade	651
Muhammad Sahib, Havildar, 5th regt., Madras infy., granted medal	511	Muzaffar Ali, Jemadar, to be reassaidar, 1st Bengal cavalry	404
Muhammad Sulaiman, private, 30th regt., Madras infy., granted medal	512	Myne, J.:—Specfn. of invention filed by 396; ditto ditto	467
Muhammad Umar, private, 23rd regt., Madras infy., granted medal	512	Miller, Col. E. W. C. H., certfin notfn. replacing services of—at disp. of mily. dept., cancelled, and services of—are now replaced at disp. of that department	626
Muir, Capt. C. W., O.I.E., promtd. to maj., B.S.C.,	512	Mills, Mr. A. S., to offe. in class V of enrolled list, acct. dept., 598; to revert to class VI of do.	598

	Page		Page
Milne, Surgn. A., Bombay estab., offg. depy. assay mr., Calcutta, apptd. to offe. as assay mr., Calcutta	469	Amraoti, apptd. to act as civil surgn., Buldana, in Hyderabad assigned dista.	584
Milne, Mr. W. P., exs. engr., 3rd grade, sub. <i>pro tem.</i> , state rya., transfd. from estab. under govt. of Bengal to that under dir.-genl. of rya. for employment on Moghalsarai-Howrah ry. surv.	515	Montresor, Mr. C. E. C., asst. engr., 1st grade, transfd. to estab. under govt. of Madras for employment on East coast sury.	544
Mints :—Resolution by govt. of India on the reports on the working of the— and assay offices of Bombay and Calcutta —	612	Mookerjee, A. N., Rai Sahib, asst. engr., 1st grade, Bengal, granted spl. leave in extn. of leave 400; correction of date of effect of above leave	528
Mir Alam Khan, Subadar, from 14th (Ferozepore Sikh) regt. of Bengal infy., to be subadar, 19th (Punjab) regt. of Bengal infy.	655	Mookerjee, Babu N. C., superior revs. estab. of state rya., stores dept., permitd. to retire from govt. service	671
Mir Faiyás Ali, Jemadar, to be subadar, 33rd regt., Bengal infy.	663	Mookerjee, Babu N. N., passed student of Seebpore college, apptd. to p. w. d. as appoe. engr. and posted to Bengal	671
Mir Hasan Ali, Havildar, to be jemadar, 8th regt., Bengal infy.	670	Moore, Mr. E. A., apptd. member of D.C.S., and to Burma	625
Mir Hasan-ndin, private, 1st regt., Madras lancers, granted medal	512	Moore, F. :—Specfn. of invention filed by —	467
Mitchell, W. M., 2nd grade senr. apothy., promotd. to 1st grade senr. apothy.	680	Moore, Mr. G. E., exs. engr., 1st grade, sub. <i>pro tem.</i> , transfd. to estab. under govt. of Madras for employment on East coast ry. surv.	557
Mithan, Sub-Cond. T., comst. dept., to be cond.	430	Moore, Lt. H. A., Border regt., offg. wing offr., 14th Bengal infy., admtd. to B.S.C., subject to confirmation 399; admn. of—to B.S.C. as lt., approved	629
Mitter, Hon'ble R. C., resignation by—of his office of judge of high court, Fort William, Bengal, accepted	684	Moore, Maj. R. F., R.E., mily. works dept., granted leave to proceed out of India on p. a.	685
Mitton, Sub-Cond. W. H., comst. dept., granted furl. out of India (m. o.)	622	Moore, Lt. T. B., R.E., apptd. to p. w. d. as asst. engr., 2nd grade, and posted to state rya. 601; posted to estab. under chief comr., Burma, for employment on rya.	601
Moberly, Col. C. M., M.S.C., exmr. of guaranteed ry. acots., Bombay, apptd. to hold charge of office of exmr. of p. w. acots., Bombay, in addn. to his own duties	405	Moore-Lane, Mr. G. D. M., offg. asst. dist. supdt. of police, Punjab, apptd. on probn. to be an asst. dist. supdt. of police, 2nd class, A. list, in Burma	402
Mookler, Lt.-Col. E., Bombay genl. list. infy., promotd. to col. in the army, subject to H. M.'s approval 430; promn. of—to col., Indian army, approved	630	Mooloo Reddy, private, 3rd regt., Madras light infy., granted medal	512
Moir, Mr. E. MoA., offg. depy. consvr. of forests, 2nd grade, N.-W. P. and Oudh, to offe. in 3rd grade of consvrs., and to hold charge of school circle in addn. to his own duties 460; reverted to offg. depy. consvr., 2nd grade, N.-W. P. and Oudh	460	Moran, Mr. W. A., asst. engr., 2nd grade, Punjab, transfd. to Burma for employment on provl. works	514
Moir, Mr. W. R. G., apptd. member of B.C.S., and to N.-W. P., Oudh, Punjab and C. P.	625	Mysore :—Orders relating to certain ry. lands ceded to British govt. by maharaja of —	518
Mollison, J. S. :—Specfn. of invention filed by —	634		
Monahan, Mr. F. J., B.C.S., services of—temply. placed at disp. of chief comr. of Burma 621; services of—replaced at disp. of govt. of Bengal	667	N	
Monck-Mason, Maj. G. G., R.A., ord. offr., 1st class, granted an extn. of service in ord. dept. 510; correction of date of effect of above extn. of service	531		
Money, Capt. G. E., promotd. to maj., B.S.C., subject to H. M.'s approval 404; promn. of—to maj., B.S.C., approved	557	NAGAMOOTOO, Sapper, "Queen's Own" sappers and miners, granted medal	512
Monies, W., exs. engr., 3rd grade, sub. <i>pro tem.</i> , state rya., reverted to exs. engr., 4th grade, sub. <i>pro tem.</i> , 499; promotd. to exs. engr., 3rd grade, sub. <i>pro tem.</i> , 499; reverted to exs. engr., 4th grade, sub. <i>pro tem.</i>	558	Nágesar, Upádhyas, Jemadar, from 2nd regt., Bengal (light) infy., to be subadar, 33rd regt., Bengal infy.	663
Monk, Mr. H. L., exs. engr., 1st grade, transfd. to estab. under administration of Burma for employment on rya.	544	Nándi, Surgn. S. C., M.B., Bengal estab., services of — replaced at disp. of mily. dept.	660
Montague, J. E. :—Specfn. of invention filed by —	396	Napier, Lt. the Hon'ble A. F., Border regt., offg. squad. offr., 14th Bengal lancers, admtd. to B.S.C., subject to confirmation	541
Montgomery, Rev. F. J., a junr. chaplain in Bengal (Lahore), ecol. estab., apptd. to be a senr. chaplain	660	Napier, Lt. the Hon'ble H. D., B.S.C., C. I. Horse, granted leave to proceed out of India on p. a. 453; to offe. as squad. comdr., 2nd regt., C. I. Horse	527
Montgomery, W. J., apothy., asst. to civil surgn.,		Narainsawmy, private, 25th regt., Madras infy., granted medal	512
		Narainsawmy, private, 2nd regt., Madras infy., granted medal	512
		Narainsawmy, private, 17th regt., Madras infy., granted medal	512
		Narainsawmy, private, 24th regt., Madras infy., granted medal	512
		Naráyan Singh, Jemadar, to be subadar, 1st Sikh infy., Punjab frontier force	431
		Naráyan Singh, Jemadar, to be subadar, 33rd regt., Bengal infy.	668

	Page
Nárfyan Singh, Havildar, to be jemadar, 33rd regt., Bengal infy.	663
Nathan, Lt. W. S., R.E., apptd. to mil. works dept. as asst. engr., 2nd grade, tempy. 438; ditto ditto	542
Natha Singh, Jemadar, to be subadar, 14th (Ferozepore Sikh) regt. of Bengal infy.	647
Naylor, Store-Sergt. F., ord. dept., to be sub-conductor	446
Neal, Asst. Apoth. W. D., granted furl. out of India (m. c.)	556
Neill, Lt.-Col. G. F. E. S., M.S.C., exe. engr., 1st grade, Bengal, granted spl. leave 426; promtd. to col. in the army, subject to H. M.'s approval	670
Neill, Mr. J. W., to offe. as judl. comr. of C. P.	650
Neilson, Surgn. W. H., M.B., medl. offr. of Erinpura irr. force, apptd. to offe. as civil surgn. of Ajmere, and as medl. offr. of Merwara battn. 307; apptd. to offe. as reedcy. surgn. in Meywar	397
Nellis, Surgn. J. A., promn. of — to surgn.-maj., Bengal medl. establt., approved	424
Newbery, Lt.-Col. F. M., Bengal infy., promn. of — to col., approved	424
Newell, R. :—Specfn. of invention filed by —	434
Newell, Lt. W. J., promn. of — to capt., B.S.C., approved	446
Newham, W. E., exe. engr., 4th grade, sub. <i>pro tem.</i> , state rya., promtd. to exe. engr., 3rd grade, sub. <i>pro tem.</i> , 499; reverted to exe. engr., 4th grade, sub. <i>pro tem.</i>	499
Newill, Maj. J. H., M.S.C., poll. agent, 3rd class, posted as poll. agent in Bundelkhand 460; to offe. as a poll. agent, 2nd class, 504; posted as poll. offr. with Sardar Muhammad Ayub Khan	606
Newing, F. J. E. L'E., enb.-asst. apoth., Bengal, promtd. to 2nd grade asst. apoth.	600
Newmarsh, Mr. A., appoe. exmr., attd. to office of exmr. of p. w. accts., N.-W. P. and Oudh, services of — placed at disp. of dept. of finance and commerce 657; apptd. a probnr. in class VII of enrolled list of finance dept., and is attd. to office of acctt.-genl., N.-W. P. and Oudh	660
Newmarsh, Lt. L. S., poll. asst., 3rd class, and offg. cantt. magt. at Secunderabad, granted priv. leave 380; to be a substantive poll. asst., 2nd class, and to continue to offe. as cantt. magt. at Secunderabad 605; apptd. to offe. as a poll. agent, 3rd class, and is posted as asst. to resdt. in Mysore and secy. to chief comr., Coorg, 593; reverted to offg. poll. asst., 1st class	634
Newport, Revd. G. O., London mission, apptd. to be a registrar of births and deaths for territories of Mysore, including civil and mil. station of Bangalore in respect of certain classes of persons	527
Newton, I., 1st grade asst. apoth., Bengal, promtd. to 2nd grade apoth.	599
Nicholas, Mr. H. A., apptd. member of B.C.S. and to Bengal, L. P.	625
Nicholetta, Mr. H. S., depy. comr., 3rd class, Berar commn., apptd. to offe. as a depy. comr., 2nd class, 379; apptd. to be a depy. comr., 2nd class	469
Nicholls, Lt.-Col. T., genl. list, infy., permtd. to retire from the service, subject to H. M.'s approval 619; retirement of — approved	629
Nicholson, Lt. B. W., Bo.S.C., to be depy. asst. comsy.-genl., 2nd class, on probn.	661
Nicholson, Lt. Lt.-Col. W. G., R.E., supdg. engr.,	

	Page
3rd class, p. w. d., promtd. to aspdg. engr., 2nd class, tempy.	440
Nihál Singh, Jemadar, to be subadar, 8th regt., Bengal infy.	670
Nil Kanth, Jemadar, to be subadar, 25th (Punjab) regt. of Bengal infy.	646
Nimmo, Col. T. R., Bo.S.C., transfd. to unemployed supy. list	429
Nisbet, Lt.-Col. R. P., C.I.E., B.S.C., promtd. to col. in the army, subject to H. M.'s approval	588
Nixon, G. T. St. A., exe. engr., 4th grade, tempy. rank, state rya., promtd. to exe. engr., 4th grade, sub. <i>pro tem.</i> , 499; reverted to exe. engr., 4th grade, tempy. rank	499
Noble, Col. C. S., B.S.C., granted extn. of furl. or leave (m. c.)	619
Nohari Singh, Subadar-Maj., 6th regt. of infy., Hyderabad contgt., admtd. to 2nd class of Order of British India, with title of <i>Bahadur</i>	522
Nookiah, private, 5th regt., Madras infy., granted medal	112
Norie, Lt. C. E. de M., from Yorkshire, light infy., admn. of — to B.S.C. as lt. approved	430
Norman, Col. Sir F. B., K.C.B., promtd. to maj., genl. 663; granted furl. out of India (p. a.)	669
Norman, 2nd Lt. H. E., West Riding regt., probnr. of Indian Staff Corps, posted to M.S.C.	437
North-Western Frontier of India :— Modification in orders restricting British offrs. from visiting countries beyond the border	600
North-Western Ry.— Frontier ry. surr. in connection with Sind-Sagar branch of — placed under control of dir.-genl. of rya. 648; estimate of cost of prolongation of Chaman extn. of — to New Chaman station, sanctioned	671
Norton, H. I. :—Specfn. of invention filed by —	539
Nowgong :— Certain octroi duties imposed in cantt. of — 593; rules for assessment and recovery of octroi duties	595
Náru! Hasan, <i>bahadur</i> , risaldar-maj., 8th Bengal cavy., admtd. to 1st class of Order of British India, with title of <i>Sardar Bahadur</i>	521
Nuthall, Col. H. J., B.S.C., permtd. to reside out of India	423

O

OSBARD, Mr. R., spl. asst. comr., Akola, Berar commn., apptd. to offe. as a depy. comr., 3rd class, 379; apptd. to offe. as civil and sessions judge	379
O'Brien, Mr. P. W., apptd. member of B.C.S. and to N.-W. P., Oudh, Punjab and C. P.	625
O'Brien, Mr. R. T., apptd. 2nd Lt., Mussorie voltr. rifle corps	447
O'Bryen, Lt. C. W., B.S.C., granted extn. of furl. (m. c.) 429; ditto ditto	622
O'Bryen, Capt. J. L., B.S.C., granted extn. of furl. or leave (m. c.) 404; ditto ditto	622
O'Connor, Mr. J. W., to revert to class II of enrolled list, acct. dept., 444; to offe. in class I of enrolled list 519; to revert to class II, 635; to offe. in class I of enrolled list	634
Oddie, Mr. H. J., exe. engr., 3rd grade, sub. <i>pro tem.</i> , state rya., attd. to establt. under govt. of Bengal,	

	Page		Page
Patch, Maj. and Bt. Lt.-Col. R., promn. of — to lt.-col., B.S.C., approved	510	and 2nd asst. to resdt. in Meywar, sub. <i>pro tem.</i>	598
Patents:—Asst. survr.-genl. in charge of mathematical instrument dept., authorised to discharge all the functions of secy. under Inventions and Designs Act, V of 1888	668	Pentiah, private, 6th regt., Madras infy., granted medal	513
Paterson, Lt.-Col. H., B.S.C., 23rd Bengal infy., (Pioneers), granted leave to proceed out of India on p. a.	461	Perkins, Lt. J. D., 14th Bengal lancers, services of — placed at disp. of govt. of the Punjab for employment as an offg. cautt. magte. 433	
Patten, Mr. G. A., asst. supdt. of police, Bengal, services of — placed at disp. of chief comr. of Assam	600	services of — replaced at disp. of mil. dept.	517
Patterson, Mr. A. B., offg. comr. of Northern India salt reve., services of — replaced at disp. of govt. of N.-W. P. and Oudh	618	Pernet, Mons.:—Apptd. of — as consul for France at Bombay, recognised	468
Patterson, 2nd Lt. H. M., Suffolk regt., offg. wing offr., 31st Bengal infy., admttd. to B.S.C., subject to confirmation 423; to rank as lt. in B.S.C., subject to H. M.'s approval 423; admn. of — to B.S.C. as lt. approved	629	Perwalliah, private, 11th regt., Madras infy., granted medal	512
Patterson, Mr. W. C., apptd. member of B.C.S., and to N.-W. P., Oudh, Punjab and C. P.	626	Perry, Mr. H. W., appce. engr., attd. to state rys., promtd. to asst. engr., 3rd grade	426
Pauppiah, private, 6th regt., Madras infy., granted medal	512	Peterson, Lt. F. H., from Yorkshire light infy., admn. of — to B.S.C. as lt., approved	511
Peacock, Lt. H. B., 7th Hussars, offg. squad. offr., 17th Bengal cavy., admttd. to B.S.C., subject to confirmation 403; admn. of — to B.S.C. as lt.; approved	629	Petheram, Hon'ble Sir W. C., Kt., Q. C., re-apptd. to be vice-chancellor of university of Calcutta	466
Peacock, Col. H. P., Bengal cavy., poll. agent, 1st class and poll. agent in Ulwar, apptd. to offe. as a resdt. 2nd class, and as resdt. in Meywar, 436; reverts to his substantive grade of poll. agent, 1st class, and is posted as poll. agent in Ulwar	634	Petitions:—Rules regulating the submission of — to the govt. of India by private persons or public bodies	552
Pearce, Bde.-Surgn. R. E., Madras medl. establt., retirement of — approved	424	Petre, 2nd Lt. B. J., 18th Hussars, posted to M.S.C.	531
Pears, Capt. T. C., B.S.C., poll. asst., 2nd class, to be a substantive poll. asst., 1st class, on seconded list.	504	Petre, Mr. F. L., offg. poll. agent, 3rd class, and first asst. and secy. for Berar to resdt. at Hyderabad, services of — replaced at disp. of govt. of N.-W. P. and Oudh	593
Peart, Lt.-Col. G. R., B.S.C., comdt., Bhopal battn., apptd. to hold charge of current duties of office of poll. agent in Bhopal, in addn. to his own duties 435; promtd. to col. in the army, subject to H. M.'s approval 446; to be col.	646	Phillips, Lt. I., B.S.C., 1st battn., 5th Gurkha regt., Punjab frontier force, granted leave to proceed out of India on p. a.	669
Peat, Lt.-Col. W. S., Bombay cavy., promn. of — to col., Indian army, approved	511	Phillips, Lt. A. L., B.S.C., depy. asst. comsy.-genl., 2nd class, apptd. depy. asst. comsy.-genl., 1st class	433
Pedler, Col. J. P., M.S.C., transfd. to unemployed supy. list	510	Phillips, Col. A. N., infy., granted extn. of furlo. (m.c.)	556
Pemberton, Col. R. C. B., R.E., granted an extn. of service as secy. to govt. of India in p. w. d.	601	Phillips, H., asst. engr., 1st grade, state rys., promtd. to exe. engr., 4th grade, tetpy.	499
Pemberton, Mr. W. A., apptd. to be capt., Naini Tal voltr. rifle corps	514	Phillips, Capt. H. deT., R. A., offg. ord. offr., 4th class, apptd. to be asst. supdt. of factories	531
Pendlebury, Capt. W., Hyderabad voltr. rifle corps, resigns his commn.	670	Phillips, H. L.:—Specfn. of invention filed by —	408
Pennell, Mr. A. P., asst. comptr. of India treasuries, apptd. to offe. as asst. comptr.-genl. in charge of paper currency, Calcutta, 422; services of — replaced at disp. of govt. of Bengal 555; services of — temply. placed at disp. of chief comr. of Burma	621	Phillips, W.:—Specfn. of invention filed by —	407
Penny, E., exe. engr., 3rd grade, p. w. d., promtd. to exe. engr., 2nd grade, perm.	543	Phillipotts, Capt. R. V., R.E., granted extn. of furlo. (m. c.)	622
Penrose, Capt. E. R., wing offr., 2nd battn., 4th Bombay infy., apptd. to offe. as wing comdr. and 2nd-in-comd. of Meywar Bheel corps, and as 2nd asst. to resdt. in Meywar 402; apptd. wing comdr. and 2nd-in-comd., Meywar Bheel corps,		Pickering, Condr. W. P., ord. dept., Bengal, transfd. to pension establt.	399

	Page		Page
1st class, 504; to be a substantive poll. asst., 2nd class, 584; but to continue to be seconded as an addl. poll. asst., 1st class	585	to establt., under administration of Burma for employment on rya.	544
Pirie, Lt. C. P. W., promn. of — to capt., B.S.C., approved	446	Pretyman, Maj. and Lt. Col. G. T., R.A., asst. adjt. genl. for royal arty., granted furl. out of India (p. a.) 392; apptd. to comd. a dist. of 2nd class, with tempy. rank of brigdr.-genl.	661
Pir Khan, private, 25th regt., Madras infy., granted medal	512	Price, Mr. C. H., extra asst. comr., 4th class, Berar commn., apptd. to be an extra asst. comr., 3rd class	469
Piteber, Lt.-Col. D. G., B.S.C., promtd. to col. in the army, subject to H. M.'s approval 497; to be colonel	679	Price, 2nd Lt. C. U., Royal Dublin Fusiliers, posted to M.S.C. 618; posted to Bo.S.C., instead of to M.S.C.	654
Pitha, Jemadar, promtd. to subadar, Merwara battn.	635	Prideaux, Mr. F., apptd. to offe. as asst. dist. snpdt. of police, 2nd grade, Hyderabad assigned dista.	434
Pitt, Maj. W., R.E., depy. manager, and exe. engr., 2nd grade, sub <i>pro tem.</i> , p. w. d., to offe. in class I, grade 3, of superior reve. establt. of state rya. 405; promtd. temply. to class I, grade 3, of superior reve. establt.	681	Priestley, Lt. G. W., from East Yorkshire regt., admn. of — to B.S.C. as lt., approved 556; apptd. to be offg. wing offr., 2nd infy., Hyderabad contingent	588
Pogson, Lt.-Genl. W. Q., Bengal infy., promtd. to genl. on unemployed supy. list	663	Prior, Capt. H. M., graded as asst. mily. acctt., 1st class	685
Poindestre, Lt. A., B.S.C., wing offr., 40th Bengal infy., and offg. adjt. of Malwa Bhil corps, confirmed in that appt.	527	Prison:—Certain buildings or parts of— at Thyetmyo, in Burma, set apart as part of mily. — at that station	453
Police:—Erratum in home dept. notfn. No. 43 of 31st Jan. 1889	621	Pritchard, Lt. A. B., promtd. to capt., B.S.C., subject to H. M.'s approval	630
Pollock, Capt. F. G., B.S.C., 7th Bengal cavy., granted leave to proceed out of India on p. a.	429	Pritchard, Lt. C. H., Bo.S.C., offg. poll. asst., 3rd class, to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 503; to offe. as a poll. asst., 2nd class, 504; to be a substantive poll. asst., 3rd class	553
Pollok, J. H.:—Specfn. of invention filed by —	539	Pritchard, Mr. L. E., to revert to class VI, acct. dept., 398; transfd. to paper currency office at Calcutta 403; to offe. in class V of enrolled list 519; granted priv. leave 598; above priv. leave cancelled 660; to offe. in class VI, 684; to offe. in class V	684
Ponsonby, Mr. C. J., depy. consvr. of forests, 1st grade, N.-W. P. and Oudh, to offe. in 3rd grade of consvrs., and to hold charge of Oudh circle, in addn. to his own duties 467; reverted to depy. consvr., 1st grade, N.-W. P. and Oudh	518	Public Debt:—List of securities lost or destroyed, in respect of which an order has been made for payment of interest pending the issue of a duplicate security, or for the issue of such duplicate security	412
Poopiah, private, 28th regt., Madras infy., granted medal	512	Public Works Dept.:—Resolution by govt. of India on the exmn. of traffic candidates for admn. in traffic dept. of state rya. 406; correction in — notfn. No. 214 of 13th July 1889, 440; erratum in — notfn. No. 218 of 18th July 1889, 447; resolution by govt. of India —, on the recruitment of subordinate acctt. branch of — 523; resolution by govt. of India on the re-organization of superior reve. establt. of state rya. 558; erratum in schedule C, superior reve. cadres, Burma state ry., published under — notfn. No. 312 of 11th Oct. 1889, 601; correction in — notfn. No. 305 of 8th Oct. 1889	659
Pope, Mr. A. W. U., class II, grade 3, superior reve. establt. of state rya., apptd. to offe. in class I, grade 3	620	Pudumjee, Mr. G. D., to offe. in class IV, acct. dept., 598; to revert to class V of enrolled list	598
Porter, Capt. A. R., promtd. to maj., B.S.C., subject to H.M.'s approval 463; promn. of — to maj., B.S.C., approved	629	Puech, Mr. A. G., apptd. 2nd lt., Mnsacorie voltr. rifle corps	686
Porter, Mr. J. S., permtd. to resign. H.M.'s B.C.S.	525	Pulford, Maj. R. R., R.E., exe. engr., 1st grade, N.-W.-P. and Oudh, offtd. as supdg. engr.	514
Porter, Mr. L. C., apptd. member of B.C.S., and to N.-W. P., Oudh, Punjab and C. P.	625	Pundit Bala Prashad, asst. to supdt. of Rajpntana-Malwa ry. police, invested with power to pass sentences of whipping within limits of Central India section of said ry. system	408
Portman, Lt.-Col. A. B., Bo.S.C., promtd. to col. in the army, subject to H.M.'s approval	676	Pundit Prem Nath, exmr., 4th class, 2nd grade, sub <i>pro tem.</i> , superior acctt. branch, promtd. to exmr., 4th class, 2nd grade, permtd.	656
Post Office:—Prohibition to take or bring into British India any copies of certain newspaper published at Chandernagore 598; direction as to rates of postage chargeable on parcels posted in British India for transmission to Ceylon	669		
Poulter, Lt. C. McC., Royal marine light infy., posted to M.S.C.	618		
Powell, Capt. C. H., B.S.C., granted extn. of furl. (p. a.)	429		
Powell, Lt. J., 1st Punjab voltr. rifle corps, resigns his commn.	647		
Powell, Lt. N. J. H., East Surrey regt., offg. wing offr., 23rd (Punjab) regt. of Bengal infy. (Pioneers), admtd. to B.S.C., subject to confirmation	541		
Powell, Lt. S. H., R.E., mily. works dept., granted leave out of India (m. c.)	685		
Preudergast, 2nd Lt. W. H., Loyal North Lancashire regt., offg. wing offr., 20th (Duke of Cambridge's Own) Punjab regt. of Bengal infy., admtd. to B.S.C., subject to confirmation and to rank as lt. in B.S.C., subject to H. M.'s approval	520		
Prentice, Lt. H., R.E., asst. engr., 2nd grade, transfd.			

	Page
Punjab Singh, Jemadar, to be subadar, 19th (Punjab) regt. of Bengal infy.	655
Pura, Havildar, infy., Erinpura irr. force, promtd. to be jemadar	563
Purves, Surgn.-Maj. H. B., promtd. to bde.-surgn., subject to H. M.'s approval 399; promn. of — to bde.-surgn., approved	557
Pyper, Mr. W. J. S., apptd. member of B.C.S., and to Burma	626

Q

QUETTA:—Imposition of dog tax in cantt. of — sanctioned 397; certain rules for recovery of dog tax applied to cantt. of —	398
Quin, Lt.-Col. T. J., Bengal infy., promn. of — to col., approved	424
Quinlan, Revd. A. W. R., a senr. chaplain on Bengal ecul. establt., permtd. to retire from the service	554
Quinn, 2nd Lt. J. J. P., Royal Berkshire regt., posted to M.S.C.	531
Quinton, Hon'ble J. W., C.S.I., apptd. to be chief comr. of Assam 554; recd. charge of office of chief comr. of Assam	633

R

RADHECHARAN Tewari, Jemadar, to be subadar, 4th Bengal infy.	438
Radice, Mr. C. A., apptd. member of B.C.S. and to Bengal, L. P.	625
Raghubar Dube, Havildar, to be jemadar, 33rd regt., Bengal infy.	653
Rahim Khan, private, 20th regt., Madras infy., granted medal	512
Railway:—East coast — surv. from Bezvada to Cuttack placed under control of govt. of Madras 500; constn. of Mu. valley ry. placed under control of chief comr. of Burma	658
Rainier, Mr. H., depy. exmr., 1st grade, permtd., superior acct. branch, p. w. d., promtd. to exmr., 4th class, 3rd grade, tempy.	463
Raja Prabhu Narayan Singh, Bahadur, of Benares, title of Maharaja Bahadur conferred on —	527
Rajinath, private, 21st regt., Madras infy., granted medal	512
Ramasawmy, private, 20th regt., Madras infy., granted medal	512
Ramasawmy, private, 28th regt., Madras infy., granted medal	512
Ramjee Rao, private, 4th regt., Madras infy., Pioneer, granted medal	512
Ram Khilawan Singh, Havildar, to be jemadar, 8th regt., Bengal infy.	670
Ramparshad Upadhyas, Havildar, to be jemadar, 9th regt. of Bengal infy.	663
Rampini, Hon'ble R. F., B.C.S., offg. piousse judge of high court at Fort William in Bengal, services of — replaced at disp. of govt. of Bengal	449
Ramsay, Capt. H. L., B.S.C., poll. asst., 1st class, to offe. as a poll. agent, 3rd class, 503; to be a substantive poll. agent, 3rd class, 505; to offe. as a poll. agent, 1st class, 586; reverts to his substantive grade of poll. agent, 3rd class, 586; to	

offe. as a poll. agent, 2nd class, 587; reverted to his substantive grade of poll. agent, 3rd class, 634; granted priv. leave	660
Ramsay, Lt. J., B.S.C., offg. poll. asst., 2nd class, to be a poll. asst., 2nd class, sub. <i>pro tem.</i> , 504; to offe. as a poll. asst., 1st class, 504; to be a poll. asst., 1st class, sub. <i>pro tem.</i> , 555; to be a substantive poll. asst., 2nd class, but to continue to be a poll. asst., 1st class, sub. <i>pro tem.</i> , 585; reverts to offg. poll. asst., 1st class, 586; to offe. as a poll. agent, 3rd class, 587; reverted to offg. poll. asst., 1st class, 634; posted as asst. to govr.-genl.'s agent in C. I.	660
Ramsay Mr. J., supdg. engr., 3rd class, sub. <i>pro tem.</i> , p. w. d., apptd. engr.-in-chief of "frontier ry. surv."	648
Ramsden, Bt. Maj. H. F. S., graded as asst. milly. acctt., 2nd class	693
Ramsden, Lt.-Col. W. C., genl. list, infy., permtd. to retire from the services subject to H. M.'s approval 454; retirement of — approved	679
Ram Singh, Dafadar, to be jemadar, 2nd Bengal cavalry	599
Ranking, Lt.-Col. W. L., Madras infy., promn. of — to col. approved	424
Ransford, Lt.-Col. C., Bengal genl. list, infy., wing comdr. and 2nd-in-comd., Bhopal battn., offtd. as comdt.	527
Ran Singh Chhetri, Jemadar, to be subadar, 43rd Gurkha light infy.	497
Ransur Rana, Havildar, to be jemadar, 1st battn., 3rd Gurkha regt.	599
Ratan Singh, havildar, to be jemadar, 3rd Sikh infy., Punjab frontier force	462
Ravenshaw, Capt. C. W., B.S.C., poll. asst., 1st class, to be a substantive poll. agent, 3rd class, 585; posted as poll. agent at Bara	626
Ravenshaw, Capt. H. A., B.S.C., granted extn. of leave (p. a.)	453
Rawlins, Mr. T. W., promtd. to be acctt.-genl., class I	668
Rawlinson, Lt. C. B., Bo.S.C., 24th Bombay infy., services of — placed at disp. of the govt. of the Punjab for employment in Punjab commn.	441
Rawson, Mr. F., depy. exmr., 1st grade, permtd., superior acct. branch, promtd. to exmr., class IV, grade 3, tempy.	681
Reade, Lt.-Genl. G. E., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 404; promn. of — to col., approved	557
Reelfs, Mr. J. C. T.:—Apptd. of — as consul for the Netherlands at Calcutta, recognised	400
Rees, J. C., exe. engr., 3rd grade, p. w. d., promtd. to exe. engr., 2nd grade, sub. <i>pro tem.</i>	543
Regan, J. F.:—Specfn. of invention filed by —	450
Regulation No. IV of 1889:—A regn. to validate certain proceedings under the Punjab frontier crimes regn., 1887	591
Reid, Lt. L. H., promn. of — to capt., B.S.C., approved	445
Reihlen, F. A.:—Specfn. of invention filed by —	408
Reilly, Maj. B. L. P., Bo.S.C., asst. comsy.-genl., 4th class, to be asst. comsy.-genl., 3rd class	661
Relf, Mr. B. G., 2nd grade offr., Indian marine, granted extn. of furlo. (m. c.) 404; granted further extn. of furlo. (m. c.)	619

	Page		Page
Bennick, Lt. F., Loyal north Lancashire regt., wing offr., 45th (Battray's 5th) regt. of Bengal infy., admt'd. to B.S.C., subject to confirmation	661	state ry., promtd. from class I, grade 3, sub. pro-tem., to class I, grade 2, of superior reve. estab't. of state rys.	523
Bennick, Lt.-Col. H. deP., asst. comr., 1st class, Berar commn., apptd. to be a depy. comr., 3rd class, 379; promtd. to col. in the army, subject to H. M.'s approval 438; to offa. as a depy. comr., 2nd class, 469; to be col.	646	Rigny, Mr. V., exe. engr., 1st grade, state rys., placed in charge of current duties of office of engr.-in-chief, Sind-Pishin state ry., in addn. to his own duties	406
Benny, Capt. G. B., B.S.C., granted extn. of furlo. (p. a.), 437; ditto ditto 588; graded as asst. mily. acctt., 2nd class	685	Rind, Maj. A. T. S. A., C.M.G., B.S.C., offg. coms.-genl. for transport, confirmed in that apptt.	392
Benny-Tailour, Lt. T. F. B., asst. supdt. of surv., 1st grade, services of—placed temply. at disp. of mily. dept.	651	Rivett-Carnac, Mr. C. J., to offa. in class II of enrolled list, acct. dept., 598; to revert to class III of enrolled list	598
Benouf, Mr. W. C., apptd. member of B.C.S., and to N.-W.-P., Oudh, Punjab and C. P.	625	Rivett-Carnac, Mr. J. T., dist. supdt. of police, Bengal, services of—placed temply. at disp. of chief comr. of Assam	626
Betallick, Capt. J. M. A., B.S.C., granted extn. of furlo. (m. o.) 588; granted extn. of furlo. or leave (p. a.)	678	Robarts, Capt. C. J., B.S.C., 16th regt. of Bengal cavy., granted leave (p. a.) in extn. of leave	655
Revenue:—Several members of board of—, L. P., authorised to exercise generally, throughout the territories subject to their control, all the duties, powers and authority which are vested in the board collectively in respect of certain depts. 896; terms on which grants of land in Burma may be made to approved applicants who are willing to undertake the introduction of cultivators from certain parts of India	408	Robb, Surgn.-Maj. J., M.D., Bombay medl. estab't., retirement of—approved	679
Reynolds, Mr. C. H., offg. dir. and supdt., class IV, 2nd grade, Indian tel. dept., promtd. perm'tly. to dir., class III	440	Roberts, Col. A. W., Bengal genl. list, cavy., offg. adtl. poll. agent, 1st class, and poll. agent at Kotah, reverts to his substantive grade of poll. agent, 2nd class, and is posted as cautt. magte. at Nasirabad 502; to offa. as a poll. agent, 1st class	503
Reynolds, Col. E. S., poll. agent, 1st class, posted as poll. agent in South-Eastern Baluchistan	402	Roberts, Lt. H. L., 1st Bengal cavy., services of—placed at disp. of chief comr. of Burma for employment as an asst. comdt. in mily., police, Upper Burma	450
Reynolds, Mr. G. B., class II, superior reve. estab't. of state rys., loco. dept., granted furlo. in extn. of furlo. 455; re-transfd. to engr. estab't. in the rank of exe. engr., 3rd grade, and is posted to state rys. 665; services of—placed at disp. of chief comr. of Burma	665	Roberts, W. S. deL.:—Specfn. of invention filed by—	634
Reynolds, Mr. W. H., depy. consvr. of forests, 2nd grade (offg. 1st grade), Pnnjab, and supdt. of forest survs., granted furlo.	651	Robertson, Maj. D., M.S.C., poll. agent, 3rd class (seconded), to be a substantive poll. agent, 2nd class (seconded)	554
Rhind, R. H., supdg. engr., 1st class, tempy. rank, p. w. d., promtd. to supdg. engr., 1st class, sub. pro. tem., 440; promtd. to supdg. engr., 1st class, permanent	665	Robertson, Lt.-Col. D. H., Bengal infy., promu. of—to col., Indian army, approved	511
Ribbentrop, Mr. B., inspr.-genl. of forests to govt. of India, granted furlo.	402	Robertson, Lt. E. E., promu. of—to capt., B.S.C., approved 446; apptd. 3rd squad. comdr., 2nd regt., C. I. Horse	635
Rice, Depy. Surgn.-Genl. W. R., M.D., inspr.-genl. of civil hospls., N.-W.-P. and Oudh, granted priv. leave	378	Robertson, Mr. F. E., supdg. engr., 3rd class, tempy. rank, p. w. d., apptd. engr.-in-chief of Chaman extn. of North Western ry.	620
Richardson, Lt. F. B. W., promn. of—to capt., B.S.C., approved	446	Robertson, Sub-Cond. F. W., ord. dept., on probn., confirmed in his present grade	542
Richardson, Bde.-Surgn. J., promn. of—to depy. surgn.-genl., Bengal medl. estab't., approved	424	Robertson, Mr. J. A., probnr., attd. to office of acctt.-genl., Pnnjab, granted leave on m. o. 398; to offa. in class VI of enrolled list 635; to offa. in class V, 635; to offa. in class VI	635
Richardson, Capt. W. St. J., graded as asst. mily. acctt., 3rd class	685	Robertson, Mr. P. J. C., poll. agent, 3rd class, to offa. as a poll. agent, 2nd class	504
Ricketts, Col. M. P., B.S.C., granted extn. of furlo. (p. a.)	520	Robertson, W.:—Specfn. of invention filed by—	494
Rickle, J.:—Specfn. of invention filed by—	526	Robinson, 2nd Lt. G. W., 1st West India regt., offg. wing offr., 27th Bengal infy., admt'd. to B.S.C., subject to confirmation and to rank as lt. in B.S.C.	510
Riddell, Lt.-Col. R. V., R.E., mint mr., Calcutta, apptd. mint mr., Bombay.	436	Robinson, Lt.-Col. and Col. in the Army J. I., Bengal cavy., promtd. to col., Bengal army, subject to H. M.'s approval 438; promn. of—to col., Bengal cavy., approved 629; to be maj.-genl. 679; transfd. to unemployed supy. list	679
Ridgeway, Col. Sir J. W., K.C.S.I., C.B., genl. list, infy., permtd. to retire from the service, subject to H. M.'s approval 427; retirement of—approved	520	Robinson, Surgn.-Maj. T., M.B., granted extn. of furlo. (p. a.)	392
Rigg, Mr. H., manager and engr.-in-chief, Burma		Robinson, Surgn. W. H. B., I.M.S., services of—placed temply. at disp. of govt. of Bengal	401
		Roden, Mr. H. H., asst. engr., 1st grade, N.-W. P. and Oudh, services of—placed at disp. of agent to govr.-genl. for Baluchistan	631

	Page
Rodwell, Capt. E. H., B.S.C., granted exta. of furlo. or leave (p. a.)	497
Rogers, Mr. A. C. C., exe. engr., correction in notfn. regarding —, 400; transfd. to estab. under administration of Burma for employment on rys.	544
Rogers, Lt.-Col. G. W., D.S.O., B.S.C., 2nd battn., 1st Gurkha regt., granted leave to proceed out of India on p. a.	622
Rogers, W. :— Specfn. of invention filed by —	467
Roome, Maj.-Genl. F., C.B., Bo. S.C., apptd. to be lt-genl.	463
Rooper, Mr. P. L., asst. engr., 1st grade, state rys., granted extraordinary leave without pay in exta. of that notified	514
Roots, J.:— Specfn. of invention filed by —	408
Rose, Mr. G. A., 1st grade offr., Indian marine, granted extn. of furlo. (m. c.)	425
Rose, Lt. H., promn. of — to capt., B.S.C., approved	446
Rose, Capt. J., pay-mr., Calcutta voltr. rifle corps, resigns his commn., and is granted hony. rank of maj. on retirement, with permn. to retain his rank and wear the uniform of the corps	462
Ross, Mr. C. E., depy. exmr. of accts., p. w. d., posted to office of exmr. of accts., North Western railway	451
Roussac, Mr. E. A., depy. post mr. genl., 3rd grade, apptd. to offe. in 2nd grade	384
Routh, R. S. J., asst. engr., 1st grade, state rys., promtd. to exe. engr., 4th grade, permtd.	499
Routleff, Hony. Lt. and Asst. Comsy. W. J., to be depy. comsy. 521; granted hony. rank of capt.	679
Row, Lt. G. R., B.S.C., 44th (Gurkha) regt. of Bengal (light) infy., granted leave to proceed out of India on p. a.	662
Rowcroft, Col. G. C., B.S.C., transfd. to unemployed supy. list	629
Rowlandson, Col. M. A., confirmed in his apptt. as contr. of milly. accts.	677
Rowson, C. R., 3rd grade offr., Indian marine, promtd. to 2nd grade offr.	393
Roy, Babu G. C., Rai Sahib, asst. engr., 2nd grade, Rajputana and C. I., promtd. to asst. engr., 1st grade	439
Roy, Babu S. P., supdt. in office of dir.-genl. of post office, to offe. as depy. post mr. genl., 3rd grade, and to act as asst. dir.-genl. of post office of India	334
Ralda, Subadar, 33rd regt. of Bengal infy., admtd. to 2nd class of Order of British India, with title of <i>Bahadur</i>	522
Rule, Mr. E., comptr. of India treasuries, granted priv. leave	470
Runciman, Color-Sergt. F., apptd. 2nd Lt., 3rd Punjab (North Western ry.) voltr. rifle corps.	454
Rungiah, private, 30th regt., Madras infy., granted medal	512
Rupa, Color-Havildar, to be jemadar, 29th (Punjab) regt. of Bengal infy.	663
Russell, Surgn. A. B. P., I.M.S., services of — temply. placed at disp. of chief comr. of Burma	378
Russell, H., 1st grade senr. apothy., Bengal, permtd. to retire from the service	542
Russell, W. A., insptg. vety. surgn., apptd. to be prinl. vety. surgn. in India	555
Rutherford, Lt.-Col. J., Bombay genl. list, infy., promtd. to col. in the army, subject to H. M.'s	

	Page
approval 438; promn. of — to col., Indian army, approved	630
Rylands, D. :— Specfn. of invention filed by —	634
Ryves, Capt. T. J., Allahabad voltr. rifle corps, apptd. to be maj. 393; granted local rank of captain	679

S

SALDAR Dīn, Havildar, to be jemadar, 21st (Punjab) regt. of Bengal infy.	521
Sādhu Singh, Risaldar-Maj., 1st regt. of cavy., Hyderabad contgt., admtd. to 2nd class of order of British India with title of <i>Bahadur</i>	521
Sadullah Khan, Kot-Duffadar, to be jemadar, 1st Bengal cavy.	599
Sage, E. M., exe.-engr., 4th grade, sub. <i>pro tem.</i> , p. w. d., promtd. to exe.-engr., 4th grade, permtd.	543
Sahabir Thapa, sepoy, 42nd Gurkha light infy., admtd. to 3rd class of Order of Merit	497
Sahib Ditta, asst. surgn., offg. civil surgn. of Karnal, apptd. to offe. as civil surgn. of Bikanir 554; services of — replaced at disp. of govt. of the Punjab	626
Sāhib Khan, Jemadar, to be subadar, 8th regt., Bengal infy.	670
Sahib Singh, Subadar-Maj., 30th (Punjab) regt. of Bengal infy., admtd. to 2nd class of Order of British India, with title of <i>Bahadur</i>	522
Sahibzada Muhammad Bakhtyar Shah, privilege of private entrée to govt. house conferred on —	457
Saiyid Abbas, Subadar, 2nd Madras lancers, admtd. to 2nd class of Order of British India, with title of <i>Sardar Bahadur</i>	522
Saiyid Abdul Aziz, private, 4th (Prince of Wales' Own) Madras cavy., granted medal	512
Saiyid Amir, <i>Bahadur</i> , Subadar-Maj., 1st Madras lancers, admtd. to 1st class of Order of British India with title of <i>Sardar Bahadur</i>	522
Saiyid Dāūd, private, 3rd regt., Madras cavy., granted medal	512
Saiyid Usman, private, 1st regt., Madras infy., pioneers, granted medal	512
Saiyid Yakub, private, 24th regt., Madras infy., granted medal	512
Sakt Chand, Jemadar, 24th Bengal infy., on probn., confirmed in that rank	436
Salmon, Lt.-Col. W. A., Bo. S.C., to be col.	429
Salt:—Rules for regulating the receipt from the public and the acceptance by the asst. comrs. of — reve. at Sambhar, Pachbadra, and Khewra, of indents for the supply of — and its transmission by rail to the station named by applicant, 422; Indian — Act XII of 1882, extended to Calcutta, 651; rules published in accordance with sec. 29 of Indian — Act, 1882	651
Salter, Condr. C. W., ord. dept., to be depy asst. commissary	647
Samundar Khan, Kot-Duffadar, to be jemadar, 8th Bengal cavy.	511
Sanders, Lt. G. L'H., B.S.C., depy. asst. comsy.-genl., 2nd class, on probn., confirmed in that appointment	423
Sandford, 2nd Lt. H. C., Royal arty., posted to M.S.C.	618

	Page		Page
Sandilands, Maj. A. N., promn. of — to lt.-col., B.S.C., approved 424; granted leave to proceed out of India on p. a.	453	<i>pro tem.</i> , state rys., promtd. to exe. engr., 2nd grade, permtd.	499
Sandilands, Mr. H. H., apptd. 2nd lt., Ghazipur light horse	680	Sellick, Surgn. J. H., I.M.S., offg. medl. offr., 23rd Bengal infy., services of — placed temply. at disp. of chief comr. of Burma	427
Sands, J.:—Specfn. of invention filed by —	582	Sen, Mr. P. N., asst. engr., 2nd grade, posted to Burma	648
Sant Singh, Havildar, to be jemadar, 36th Bengal infantry	392, 511	Senior, Lt.-Col. H. W. J., B.S.C., to be col. 429; granted extn. of furlo. or leave (m. c.)	531
Sant Singh, Subadar, from 35th (Sikh) regt. of Bengal infy., to be subadar-maj., 19th (Punjab) regt. of Bengal infy.	655	Sete Lama, Havildar, to be jemadar, 43rd Bengal infantry	392
Sanwal Singh, Ressaidar, 1st regt., C. I. Horse, promtd. to be ressaidar	583	Sexton, Bde.-Surgn. E., M.D., Bombay medl. estabt., retirement of — approved	679
Sarbjit Thápa, Havildar, to be jemadar, 1st battn., 5th Gurkha regt., Punjab frontier force	425	Shadbolt, E. J., exe. engr., 3rd grade, state rys., promtd. to exe. engr., 2nd grade, sub. <i>pro tem.</i>	499
Sardára Singh, Dafadar, to be jemadar, 13th Bengal lancers	622	Sháih Ali, Havildar, to be jemadar, 10th Bengal infantry	511
Sartorius, Lt.-Col. and Col. G. C., Bo.S.C., apptd. C.B.	662	Shaikh Adam, private, 27th regt., Madras infy., granted medal	513
Saunders, Col. H. G., graded as mily. acctt., 1st class	685	Shaikh Ahmad, private, 1st regt., Madras lancers, granted medal	512
Saunders, Mr. L. H., apptd. member of B.C.S., and to Burma	626	Shaikh Ali, private, 12th regt., Madras infy., granted medal	512
Sáwan Mal, Risaldar, 11th Bengal lancers, admttd. to 2nd class of Order of British India, with title of <i>Bahádur</i>	522	Shaikh Ali, No. 2341, private, 12th regt., Madras infy., granted medal	512
Sáwan Shaikh, Jemadar, to be subadar, 10th Bengal infantry	425	Shaikh Babu, private, 10th regt., Madras infy., granted medal	512
Sawyer, Maj. G. W., graded as mily. acctt., 2nd class	685	Shaikh Dáúd, private, 14th regt., Madras infy., granted medal	512
Schalch, Capt. and Bt. Maj. V. A., promn. of — to maj., B.S.C., approved	445	Shaikh Hamid, private, 13th regt., Madras infy., granted medal	512
Schlesinger, Lt. C. H., B.S.C., 12th Bengal cavy., granted leave to proceed out of India on p. a.	510	Shaikh Ibrahim, private, 2nd regt., Madras lancers, granted medal	512
Schmuck, Mr. S., apptt. of — as in tempy. charge of consular agency for Russia at Aden, recognised	428	Shaikh Ibrahim, private, 17th regt., Madras infy., granted medal	512
Sconce, Col. J., B.S.C., depy. survr.-genl., granted furlo. out of India (p. a.)	531	Shaikh Ismail, private, 9th regt., Madras infy., granted medal	512
Scott, Lt. C. D., R.A., subaltern, No. 4 (Huzara) mountain batty., granted furlo. out of India (m. c.)	654	Shaikh Manullah, private, 11th regt., Madras infy., granted medal	512
Scott, F. W. M., exe. engr., 4th grade, <i>tempy. rank</i> , p. w. d., promtd. to exe. engr., 4th grade, sub. <i>pro tem.</i>	543	Sháikh Muhammad Ali, Havildar, to be jemadar, 8th regt., Bengal infy.	670
Scott, 2nd Lt. W. C., Hampshire regt., wing offr., 38th Bengal infy., admttd. to B.S.C., subject to confirmation 403; to rank as lt. in B.S.C., subject to H. M.'s approval 403; admn. of — to B.S.C. as lt., approved	629	Shaikh Sultan, private, 29th regt., Madras infy., granted medal	512
Soudamr, Lt. W. V., R.E., apptd. to p. w. d. as asst. engr., 2nd grade, and posted to state rys. 601; posted to estabt. under chief comr., Burma, for employment on rys.	601	Shakespear, 2nd Lt. F., Manchester regt., offg. squad. offr., 4th Bengal cavy., admttd. to B.S.C., subject to confirmation and to rank as lt. in B.S.C., subject to confirmation	555
Scully, Surgn.-Maj. J., Bengal estabt., assay mr., Calcutta, granted priv. leave	460	Shakespear, Lt. G. C. C., promtd. to capt., B.S.C., subject to H. M.'s approval	630
Searle, 2nd Lt. P. C., Shropshire light infy., probnr. for Indian staff corps, posted to Bo. S.C.	437	Shakespear, Lt.-Col. G. R. J., B.S.C., to be col.	510
Searle, Mr. W. H. W., 1st grade offr. and asst. survr., 2nd class, marine surv. of India, promtd. to asst. survr., 1st class, sub. <i>pro tem.</i>	439	Shamir Singh, Havildar, to be jemadar, 2nd Sikh infy., Punjab frontier force	599
Secunderabad:—Act V of 1861 applied to cantt. of—	607	Shám Singh, Havildar, to be jemadar, 19th Punjab regt. of Bengal infy.	655
Sedgwick, Lt.-Col. W., R.E., exe. engr., 1st grade, state rys., posted to Madras govt. for duty as offg. depy. consg. engr. for rys.	681	Shamsud-din, Jemadar, serving with Burma police, to be subadar, 1st Sikh infy., Punjab frontier force and to remain seconded	431
Selby, Maj. H. O., R.E., exe. engr., 2nd grade, sub.		Sharaf Khan, private, 30th regt., Madras infy., granted medal	513
		Sharp, Revd. A. A., junr. chaplain on Madras eccl. estabt., services of — placed temply. at disp. of chief comr. of Burma	466
		Shaw, Revd. J. minister of American Presbyterian church, apptd. to be a marriage registrar for Quetta dist., the Bolan pass, including Bindli and certain line of ry.	503

	Page		Page
Shaw, Mr. J., depy. exmr., 2nd grade, sub. <i>pro tem.</i> , superior acct. branch, p. w. d., promtd. to depy. exmr., 2nd grade, permtd. 463; apptd. to offe. as exmr. of acct., Burma state ry., 523; promn. of — antedated	657	Sivewright, Mr. R., exe. engr., 3rd grade, sub. <i>pro tem.</i> , state ry., offg. depy. consg. engr. for ry., Bombay, services of — placed at disp. of govt. of Madras for employment on ry.	657
Shedlock, Mr. O. J., asst. engr., 1st grade, state ry., posted to Burma for employment on Mu valley ry. surv.	557	Skene, Lt.-Col. C. McD., D.S.O., Bengal infy., promtd. to lt. col.	662
Sheehan, Condr. J., army clothing dept., Bengal, transd. to pension establt.	630	Skey, Lt. F. E. G., R.E., apptd. to mily. works dept., as asst. engr., 2nd grade, tempy. 438; ditto ditto	543
Shelley, Lt.-Col. H. R., Madras genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 425; promn. of — to col., approved	557	Skinner, Lt.-Col. G. J., B.S.C., promtd. to col. in the army, subject to H. M.'s approval 521; to be col.	679
Sheo Nath, Rai Sahib, asst. engr., 3rd grade, transd. from establt. under govt. of Bengal, to that under dir.-genl. of ry., for employment on Moghal Sarni-Howrah ry. surv.	544	Skipwith, Lt.-Col. G. T., R.E., supdg. engr., 2nd class, apptd. to offe. as chief engr., irrign. branch, and joint-secy. to govt., N.-W. P. and Oudh	658
Sherer, 2nd Lt. J. C., Dorsetshire regt., probnr. for Indian staff corps, posted to M.S.C.	437	Smalley, Lt.-Col. F., Madras infy., promn. of — to col., Indian army, approved	446
Sherer, Mr. W. M., apptd. 2nd Lt., Cawnpore light horse	619	Smart, O. G., exe. engr., 3rd grade, sub. <i>pro tem.</i> , p. w. d., promtd. to exe. engr., 3rd grade, permtd.	543
Sheridan, Mr. P., apptd. to offe. as a post mr. genl., 1st grade	519	Smith, Sub-Condr. B. E., ord. dept., on probn., <i>seconded</i> , confirmed in his present grade	533
Sher Muhammad Khan, Jemadar, to be resaidar, 19th Bengal lancers 430, ditto ditto	521	Smith, Col. C. J., R.E., consg. engr. for ry., Madras, re-apptd. to that post	426
Sherring, Mr. O. A., apptd. member of B.C.S., and to N.-W. P., Oudh, Punjab and C. P.	625	Smith, Lt. F. A., Yorkshire light infy., wing offr., 2nd Bengal infy., admtd. to B.S.C., subject to confirmation	510
Sherzala, Havildar, to be jemadar, corps of guides infy., Punjab frontier force	532	Smith, Lt. F. deH., B.S.C., offg. squad. offr., 1st regt., C. I. Horse, granted general leave in India	460
Shewell, Lt. P. G., from Hampshire regt., admn. of — to B.S.C. as lt., approved	430	Smith, G. H.:—Specfn. of invention filed by —	450
Shone, Maj. W. T., D.S.O., R.E., leave granted to — has been extended	678	Smith, 2nd Lt. G. R. deH., Loyal North Lancashire regt., offg. wing offr., 30th (Punjab) regt. of Bengal infy., admtd. to B.S.C., subject to confirmation 654; and to rank as lt. in B.S.C., subject to H. M.'s approval	654
Shopland, Comdr. E. R., Indian marine, promtd. to comdr., 2nd grade	393	Smith, Mr. H. R., bead acct. of treasury at Quetta, apptd. to offe. as treasury offr. at Quetta	502
Shore, Lt. O. B. S. F., B.S.C., granted extn. of furlo. (p. a.)	588	Smith, Lt. J. M., B.S.C., offg. poll. asst., 2nd class, to be a poll. asst., 2nd class, sub. <i>pro tem.</i> , 504; to be a substantive poll. asst., 3rd class, but to continue to be a poll. asst., 2nd class, sub. <i>pro tem.</i> , 505; reverts to offg. poll. asst., 2nd class	555
Showers, Lt. H. L., wing offr., Meywar Bheel corps, apptd. to offe. as adjt., in addn. to his own duties	411	Smith, Maj. S., R.E., exe. engr., 3rd grade, state ry., promtd. to exe. engr., 2nd grade, sub. <i>pro tem.</i>	499
Shumbhoolingun, private, 5th regt., Madras infy., granted medal	512	Smith, Lt.-Col. W. G., Bengal genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 446; granted extn. of furlo. or leave (m. c.) 531; promn. of — to col., Indian army, approved	630
Silcock, Surgn. A., M.B., services of — placed permtd. at disp. of chief comr., C. P.	378	Smithett, Lt. A. C. H., 1st Dragoon gnarda, offg. squad. offr., 15th (Cureton's Miltani) regt. of Bengal cavy., admtd. to B.S.C., subject to confirmation	661
Sills, Mr. F., apptd. 2nd Lt., Chittagung voltr. rifle corps	619	Smyth, Surgn.-Maj. F. A., granted extn. of furlo. or leave (m. c.)	463
Silver, Capt. G., East Surrey regt., adjt., Bengal Nagpur voltr. rifle corps, granted furlo. out of India (p. a.)	392	Smythies, 2nd Lt. A., Dehra Dun mounted rifles, to be lt.	438
Simbhu, Jemadar, to be subadar, 33rd regt. of Bengal infy.	603	Snyder, F. H.:—Specfn. of invention filed by —	634
Simpson, Mr. J. H., apptd. member of B.C.S., and to Oudh, Punjab, and C. P.	625	Sohan Singh, Jemadar, to be resaidar, 5th Punjab cavy., Punjab frontier force	404
Simson, Mr. A., recognised as in tempy. charge of consulate for Denmark at Calcutta 554; apptd. of — as consul-genl. for Denmark at Calcutta, recognised	634	Sohana, Subadar, to be subadar-maj.	399
Sind:—A tract of land at present subject to govt. of Bombay and forming a portion of Kashmir Taluka of Upper — frontier dist. in province of —, declared to be henceforward subject to the Punjab government	380	Sohn Lal:—Specfn. of invention filed by —	378
Singh Lama, lance-naik, 42nd Gurkha light infy., admtd. to 3rd class of Order of Merit	497	Solf, Dr. W. H.:—Apptd. of — as actg. consul-genl. for Germany at Calcutta, recognised	606
Sinkinson, Mr. E. J., confirmed in apptd. of secy. to govt. of India in fincc. and comce. dept. 470; granted priv. leave	660	Somerlatt, T. C. W.:—Specfn. of invention filed by —	526
		Sooharoydoo, private, 29th regt., Madras infy., granted medal	513
		Soper, Condr. E. G., ord. dept., granted extn. of furlo. (m. c.)	646

	Page		Page
Sørensen, N. G.:—Specfn. of invention filed by — .	583	2nd class, on probn., confirmed in that apptt. 519;	
Spark, Sub-Cond. O., ord. dept., granted furlo. out of India (m. c.)	509	granted leave to proceed out of India on p. a.	654
Sparks, Lt.-Col. J. B., B.S.C., exe. engr., 1st grade, p. w. d., granted spl. leave 423; correction of date on which above leave was availed of 487; promtd. to col. in the army, subject to H. M.'s approval 438; to be col.	646	Stevens, 2nd Lt. N. M. C., Bradfordshire regt., posted to M.S.C.	618
Spedding, Mr. R. D., apptd. to be 2nd Lt., Oudh voltr. rifle corps	514	Stevenson, Lt. E. A., Leinster regt., admn. of — to B.S.C. as lt., approved	511
Spence, Capt. E. K. E., B.S.C., depy. asst. coms.-genl., 1st class, apptd. asst. coms.-genl., 4th class	423	Stewart, Mr. A., depy. consvr. of forests, 4th grade, Bombay presdy., transd. tempy. to C. P.	582
Spence, Lt. P. T. A., from Derbyshire regt., admn. of — to B.S.C. as lt., approved	490	Stewart, Mr. H. A., apptd. 2nd Lt., Calcutta voltr. rifle corps	454
Spencer, Surgn. D. B., services of — replaced at disp. of mil. dept.	401	Stewart, Lt. J. F., B.S.C., depy. asst. coms.-genl., 2nd class, on probn., confirmed in that apptt.	308
Spencer, Mr. H. Y., apptd. 2nd Lt., 1st Punjab voltr. rifle corps	680	Stewart, Lt. J. M., 1st battn., 5th Gurkhas, services of — replaced at disp. of mil. dept.	675
Spencer, Surgn.-Maj. L. D., M.D., promn. of — to bde.-surgn., Bengal medl. estabt., approved	424	Stewart, Lt.-Col. N. R., B.S.C., offg. comdt. of Merwara battn., apptd. to be comdt., sub <i>pro tem.</i>	593
Spragge, Capt. B. E., D.S.O., Yorkshire light infy., dist. staff offr., 2nd class, granted furlo. out of India (m. c.)	423	Stewart, Lt. W. H. M., promn. of — to capt., B.S.C., approved 446; to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 584; reverts to offg. poll. asst., 3rd class, 584; to be a poll. asst., 3rd class, sub <i>pro tem.</i> , 586; to offe. as a poll. asst., 2nd class, 586; reverts to offg. poll. asst., 3rd class, 586; to offe. as a poll. asst., 2nd class, 587; reverted to offg. poll. asst., 3rd class, 634; to offe. as a poll. agent, 3rd class, and to be asst. secy. to govt. of India in foreign dept.	608
Spring, Mr. F. J. E., exe. engr., 2nd grade, state rys., apptd. offg. supdg. engr., 3rd class	447	Stiles, T. M., probnr. for I.M.S., apptd. surgn. on Bengal estabt. 531; admn. of — to I.M.S., as surgn., approved	541
Springett, Capt. R. F., Mussoorie voltr. rifle corps, resigns his commn.	498	Stoddart, Maj. C. H., promtd. to lt.-col., B.S.C., subject to H. M.'s approval 511; promn. of — to lt.-col., B.S.C., approved	678
Stamps:—Debentures of municipality of Surat exempted from certain stamp duties in consideration of a sum of money paid as composition 635; reduction and remission of stamp duties under sec. 8 of Indian Stamp Act, I of 1879	636	Stogdon, Mr. A. W., B.C.S., apptd. to be a tempy. judge of chief court, Punjab	466
Stanton, 2nd Lt. H. L., King's Own Scottish Borderers, offg. wing offr., 6th regt. of Bengal (light) infy., admtd. to B.S.C., subject to confirmation and to rank as lt. in B.S.C.	541	Stotherd, Lt. E. A. W., 2nd West India regt., offg. wing offr., 4th cavy., Hyderabad contgt., admtd. to B.S.C., subject to confirmation	598
Stapylton, 2nd Lt. J., York and Lancaster regt., posted to M.S.C.	531	Strachey, Lt. B., from West Riding regt., admn. of — to B.S.C. as lt., approved	430
Statute 52 Victoria, chapter 10—An Act for amending and consolidating enactments relating to the administration of oaths	376	Strahan, Surgn.-Maj. A. B., M.B., 44th (Gurkha) regt. of Bengal (light) infy., granted leave to proceed out of India on m. c.	677
Statute 52 & 53 Victoria, chapter 43—Merchant Shipping (Tonnage) Act, 1889	534	Strahan, Lt.-Col. C., R.E., asst. survr.-genl. and depy. supdt., 1st grade, to offe. as depy. survr.-general	582
Statute 52 & 53 Victoria, chapter 46—Merchant Shipping Act, 1889	535	Stratton, Lt. W. C. R., B.S.C., offg. poll. agent, 3rd class, and poll. agent at Muscat, granted priv. leave 451; to be a poll. agent, 3rd class, sub. <i>pro tem.</i> , 504; reverts to offg. poll. agent, 3rd class, 554; to be a substantive poll. asst., 2nd class, but to continue to offe. as a poll. agent, 3rd class, 555; posted as 1st asst. to poll. resdt. in Persian gulf	651
Statute 52 & 53 Victoria, chapter 52—Official Secrets Act, 1889	536	Strawson, G. F.:—Specfn. of invention filed by — .	583
Statute 52 & 53 Victoria, chapter 63:—Interpretation Act, 1889	545	Strickland, Col. W. G. M., M.S.C., placed on list of maj.-genls. 520; transd. to unemployed supy. list	629
Statute 52 & 53 Victoria, chapter 65—Council of India Reduction Act, 1889	552	Stuart, Mr. C. A., apptd. to offe. as a post mr. genl., 2nd grade, and to be in charge of Madras circle	519
Statute 52 & 53 Victoria, chapter 73, Merchant Shipping (Colours) Act, 1889	552	Stuart, Mr. H., exmr. of acota., 4th class, 1st grade, apptd. to act as manager, Tirhoot state railway	439
Staunton, 2nd Lt. W. B., Royal Dublin Fusiliers, posted to M.S.C.	661	Stuart, Capt. R. C. O., R.A., to offe. as an ord. offr., 4th class, 429; confirmed as ord. offr., 4th class	654
Steel, Col. J. P., R.E., chief engr., 3rd class, p. w. d., promtd. to chief engr., 2nd class, sub. <i>pro tem.</i>	440	Suedekor, C. T.:—Specfn. of invention filed by — .	582
Steele, Lt. St. G. L., promn. of — to capt., B.S.C., approved	446	Sukhrāj Singh, Color-Havildar, to be jamadar, 11th Bengal infy.	404
Stephens, Cond. J., to be depy. asst. coms. 521; granted hony. rank of lt.	679		
Stevens, Lt. C. R., R.E., apptd. to p. w. d. as asst. engr., 2nd grade, and posted to state rys. 601; posted to estabt. under chief comr., Burma, for employment on rys.	601		
Stevens, Lt. M., B.S.C., depy. asst. coms.-genl.,			

	Page		Page
Sullivan, Mr. T. V., apptd. 2nd Lt., Naini Tal voltr. rifle corps	454	promtd. to col. in the army, subject to H. M.'s approval	670
Sunder Singh, Havildar, to be jemadar, 25th Bengal infantry	425	Taylor, Mr. W. B., ex. engr., 1st grade, state rya., permtd. to retire from the service 657; granted extn. of spl. leave	671
Sunder Singh, Jemadar, to be subadar, 28th (Punjab) regt., Bengal infy.	599	Taylor, Capt. W. W., B.S.C., 45th Bengal infy., granted leave to proceed out of India on p. a.	531
Sunnassee, private, 13th regt., Madras infy., granted medal	513	Tegh Ali, Dafadar, cavy., Eriupura irr. force, promtd. to be jemadar	583
Supple, Mr. H. G., apptd. to be 2nd Lt., Bengal-Nagpur ry. voltr. rifle corps	393	Telegraph :—Revised rule to be substituted for rule 26, III, of rules for inland telegrams	658
Sutherland, Mr. J., asst. engr., 2nd grade, posted to Burma	648	Temple, Capt. H. M., B.S.C., offg. poll. agent, 3rd class, to be a substantive poll. agent, 3rd class, 504; to offe. as a poll. agent, 2nd class, 583; reverts to his substantive grade of poll. agent, 3rd class, 584; to offe. as a poll. agent, 2nd class, 584; reverts to his substantive grade of poll. agent, 3rd class, 585; to offe. as a poll. agent, 2nd class	585
Sutherland, Depy. Surgn.-Genl., P. W., Bengal medl. establt., retirement of — approved 446; permtd. to retire from the service, subject to H. M.'s approval	655	Templer, Lt. H., promn. of — to capt., B.S.C., approved	445
Swanston, Lt. C. O., from Royal Irish Fusiliers, admn. of — to B.S.C., as Lt. approved 430; granted leave to proceed out of India on p. a.	541	Ternan, Capt. and Bt. Maj. A. G. B., B.S.C., dist. staff offr., 1st class, Madras, promtd. to lt.-col.	662
Sweet, Mr. G. W., depy. exmr., 1st grade, sub. <i>pro tem.</i> , superior accts. branch, p. w. d., promtd. to depy. exmr., 1st grade, permt., 403; promn. of — antedated	657	Thacker, Lt. H. J., from Royal Warwickshire regt., admn. of — to B.S.C. as Lt., approved	430
Swetenham, Mr. C. C., asst. exmr., 2nd grade, permt., superior accts. branch, p. w. d., promtd. to asst. exmr., 1st grade, permt.	463	Thackwell, Lt. C. G. R., promn. of — to capt., B.S.C., approved	445
Swiney, Col. J., M.S.C., name of — placed on list of maj.-genls., 646; ditto ditto	663	Thomas, A. :—Specfn. of invention filed by —	408
Swinley, Col. G., R.A., ord. offr., 2nd class, sub. <i>pro tem.</i> , confirmed in that class	520	Thomas, Lt.-Col. C. F., confirmed in his apptt. as compr. of mily. accts.	677
Swinnerton, R. A. W., ex. engr., 4th grade, sub. <i>pro tem.</i> , p. w. d., promtd. to ex. engr., 4th grade, permt.	543	Thomas, Col. E. H., M.S.C., retirement of — approved	446
Symonds, Lt. C. W. H., Wiltshire regt., offg. wing offr., 31st (Punjab) regt. of Bengal infy., admtd. to B.S.C., subject to confirmation	555	Thompson, Lt. C. P., Wiltshire regt., offg. wing offr., 3rd Sikh infy., Punjab frontier force, admtd. to B.S.C., subject to confirmation 399; services of — placed at disp. of the govt. of the Punjab for employment in Punjab commn. 441; admn. of — to B.S.C. as Lt. approved	629
Symonds, Mr. W. P., apptd. to be post mr. genl., 2nd grade	422	Thompson, Mr. R. H. E., depy. consvr., 1st grade, C. P., to offe. in 3rd grade of consvra., and to hold charge of forest dept. in C. P. 518; continues to hold charge of southern circle	651
Szczepanski, Col. H., C. A., depy. comr., 1st class, Hyderabad assigned dista. apptd. to offe. as comr. of said dista. 398; apptd. to offe. as judl. comr. in Hyderabad assigned dista.	675	Thompson, Maj. W. O., promn. of — to lt.-col., B.S.C., approved	424
T		Thompson, 2nd Grade Apoth. W., granted furlo. out of India (m. c.) 541; above notfn. cancelled	599
TABHA Singh, Jemadar, to be subadar, 2nd Sikh infy., Punjab frontier force	599	Thomson, Mr. A., asst. comr., Burma, services of — placed at disp. of govt. of Punjab	592
Tandy, Bde.-Surgn. E. O., promn. of — to depy. surgn.-genl., Bengal medl. establt., approved	424	Thomson, Surgn. F. W., M.B., granted extn. of furlo. (p. a.)	588
Tanner, Col. Sir O. V., K.C.B., B.S.C., promtd. to maj.-genl.	663	Thomson, Surgn.-Maj. G., M.B., promtd. to bde.-surgn., subject to H. M.'s approval	557
Tara Singh, <i>Bahadur</i> , subadar-maj., 45th (Rattray's Sikhs) regt. of Bengal infy., admtd. to 1st class of Order of British India, with title of " <i>Sardar Bahadur</i> "	521	Thomson, Mr. J. B., apptd. capt., Naini Tal voltr. rifle corps	454
Taylor, Mr. F. V., asst. engr., 2nd grade, attd. to state rya., services of — placed temply. at disp. of govt. of Madras for employment on East coast ry. survey	515	Thomson, Maj.-Genl. M., Bengal infy., to be lt.-genl. on nnemployed supy. list	434
Taylor, Capt. E. E., B.S.C., granted extn. of furlo. or leave (m. c.)	628	Thomson, Lt. M. T., promn. of — to capt., B.S.C., approved	446
Taylor, 2nd Lt. F. H., Oxfordshire light infy., offg. wing offr., 3rd Sikh infy., Punjab frontier force, admtd. to B.S.C., subject to confirmation 461; will rank as Lt. in B.S.C., subject to H. M.'s approval 461; admn. of — to B.S.C. as Lt., approved	679	Thomson, Mr. R. G., post mr. genl., Punjab, services of — replaced at disp. of govt. of the Punjab	506
Taylor, Lt.-Col. R. F., Madras genl. list, infy.,		Thomson, Snrgn. S. J., promtd. to surgn.-maj., subject to H. M.'s approval	542
		Thomson & Co., Ltd., T. E. :—Specfn. of invention filed by — 539; ditto ditto	634
		Thomson, Lt. W. D., promn. of — to capt., B.S.C., approved	445

	Page		Page
Thornton, Maj. A. P., B.S.C., poll. agent, 3rd class, to offe. as a poll. agent, 2nd class	504	Tuck, Depy. Asst. Comay. J., sub. engr., 3rd grade, milly. works dept., promtd. to rank of hony. asst. engr., 3rd grade	670
Thruston, Capt. J. W., West Yorkshire regt., apptd. to be adjt., Upper Burma voltr. rifles	630	Tucker, Mr. A. L. P., offg. poll. asst., 1st class, posted as 1st asst. to govr.-genl.'s agent for C. I. 451; offd. as 1st asst. to govr.-genl.'s agent in C. I. 460; posted as asst. to govr.-genl.'s agent in C. I.	660
Thuillier, Lt. W., B.S.C., 21st (Punjab) regt., N. I., granted leave to proceed out of India on p. a.	628	Tupp, Mr. A. C., permtd. to resign H. M.'s B.C.S.	667
Tickell, J. R., exe. engr., 4th grade, sub. <i>pro tem.</i> , state rys., reverted to asst. engr., 1st grade, 499; promtd. to exe. engr., 4th grade, sub. <i>pro tem.</i> , 499; reverted to asst. engr., 1st grade	499	Turab Khan, Jemadar, to be reassaidar, 6th Bengal cavalry	399
Tidy, Maj. A. G., North Lancashire regt., apptd. garrison instr.	669	Turner, Capt. A. L. M., R.A., ord. offr., 3rd class, and asst. to inspr.-genl. of ord., Bengal circle, re-apptd. to ord. dept. in India	437
Tighe, Lt. M. A., offg. poll. asst., 3rd class and asst. to readt. and to genl. supdt. of operations for suppression of thagi and dakaiti at Hyderabad, passed in subjects prescribed for examn. of junr. offrs. in poll. dept. 380; to be a poll. asst., 3rd class, sub. <i>pro tem.</i> , 505; to offe. as a poll. asst., 2nd class	583	Turner, Lt. F. W. C., Middlesex regt., offg. squad. offr., 1st cavy., Hyderabad contgt., sdmtd. to B.S.C., subject to confirmation 399; admn. of — to B.S.C. as lt., approved	629
Tighe, Lt. M. J., S.C., 27th regt. (1st Belooch battn., Bombay light infy.) — services of — placed at disp. of chief comr. of Burma for employment as an offg. asst. comdt. in milly. police in Upper Burma 593; apptd. C.D.S.O.	662	Turuer, Lt. J. G., promtd. to capt., B.S.C., subject to H. M.'s approval	680
Tighe, Lt. S. M., East Yorkshire regt., wing offr., 20th (Duke of Cambridge's Own) Punjab regt. of Bengal infy., admtd. to B.S.C., subject to confirmation	640	Turner, Mr. L. H., apptd. member of B.C.S. and to N.-W. P., Oudh, Punjab and C. P.	625
Tillard, Col. J. A., C.B., royal (late Bengal) arty., apptd. col. on the staff	654	Turner, Maj. S. C., R.E., granted extn. of furlo. (p. a.)	588
Tilley, Lt. W. F., R.E., apptd. to milly. works dept., as asst. engr., 2nd grade, tempy.	542	Tweddell, Lt. F., asst. comr. in Assam, services of — replaced at disp. of milly. dept.	401
Tirhoot State Ry. :—Estimate for constn. of an extn. of — from Durbhanga to Bairaunia sanctioned	671	Tweddell, Col. F., genl. liat, infy., comdt., 31st (Punjab) regt. of Bengal infy., granted leave to proceed out of India on p. a.	555
Tonnochy, Capt. V. C., B.S.C., comdt., Shan States levy, Burma, granted leave to proceed out of India on p. a.	662	Tweddell, 2nd Lt. H., West Yorkshire regt., offg. wing offr., 31st (Punjab) regt. of Bengal infy., admtd. to B.S.C., subject to confirmation 654; and to rank as lt. in B.S.C., subject to H. M.'s approval	654
Toogood, Mr. J. H., exe. engr., 2nd grade, sub. <i>pro tem.</i> , Bengal, tempy. employed in Madras, granted leave on m. c.	432	Twemlow, Lt.-Col. E. D'O., R.E., exe. engr., 1st grade, and offg. supdg. engr., p. w. d., Bombay, transfd. to milly. works dept.	600
Tottenham, Lt. R. L., B.S.C., 25th (Punjab) regt. of Bengal infy., granted leave to proceed out of India on p. a.	619	Twiggs, Mr. J. H., offg. comr. of Benares divn., offd. as govr.-genl.'s agent at Benares 451; apptd. to offe. as govr.-genl.'s agent at Benares	554
Towers, Mr. G. L., asst. supdt., class V, 1st grade, Indian tel. dept., apptd. to offe. as a supdt. in class IV, 515; reverted to his substantive apptd. of asst. supdt., class V, 1st grade	658	Tyndale-Biscoe, 2nd Lt. J. D. T., 11th Hussars, probnr. for Indian staff corps, posted to M.S.C.	437
Townsend, Lt. E. C., B.S.C., confirmed in his apptt. as asst. comr., 4th grade, Burma	675	Tytler, Lt. H. C., from Manchester regt., admn. of — to B.S.C. as lt. approved 556; correction of Christian name of —	629
Townshend, Lt. C. V. F. (attd.), offg. squad. offr., 2nd regt., C. I. Horse, apptd. to be squad. offr., 1st regt., 503; to offe. as squad. comdr., 2nd regt., C. I. Horse, 527; period during which — was on genl. leave in India 593; apptd. squad. offr., 1st regt., C. I. Horse	635		
Treasuries :—Monthly preliminary statement of receipts and payments at civil — in India, June 1889, 421; July 1889, 452; Aug. 1889, 528; Sep. 1889, 599; Oct. 1889, 645; Nov. 1889	676		
Tregear, Col. V. W., Bengal infy. tempy. rank of brigdr.-genl. granted to —	618		
Trevor, A. S., exe. engr., 4th grade, sub. <i>pro tem.</i> , attd. to state rys., reverted to asst. engr., 1st grade	558		
Trotter, Capt. R. F., promtd. to maj., B.S.C., subject to H. M.'s approval	670		
Troup, 2nd Lt. H. R., South Lancashire regt., probnr. for Indian staff corps, posted to M.S.C.	437		

U

UMAR Singh Rana, Naick, 42nd Gurkha light infy., admtd. to 3rd class of Order of Merit	497
Undah Sing, Jemadar, to be reassaidar, 2nd Punjab cavy., Punjab frontier force	393
Umrao Ali Khan, Jemadar, to be snbadar, Bhopal battalion	435
Universal Water Power Compy., Ltd. :—Specfn. of invention filed by —	634
Unwin, Lt. G. B., promn. of — to capt., B.S.C., approved	446

V

VANDERZEE, 2nd Lt. J. H., Leinster regt., a candidate for B.S.C., apptd. to be offg. wing offr., on probn., 3rd infy., Hyderabad contgt.	436
Vanrenen, Lt. A. J. H., B.S.C., granted extn. of furlo. or leave (p. a.)	678

	Page		Page
Vansittart, Mr. C. G., asst. acott.-genl., Bengal, granted priv. leave 506; to offe. in class IV of enrolled list, acct. dept., 519; to revert to class V, 598; to offe. in class IV, 635; to offe. in class V, 635; to offe. in class IV, 635; to offe. in class V	635	corps sanctioned, &c. 630; transfer of control of South Andaman voltr. rifle corps to c-in-c. of Madras army sanctioned	670
Van Someren, Lt.-Col. G. J., M.G.L., I., offg. consvr. of forests, 1st grade, to offe. as consvr. of school circle and dir. of forest school 460; to offe. in 1st grade of consvrs., and to hold charge of Berar forest circle, 467; promtd. to col. in the army, subject to H. M.'s approval 511; to receive charge temply. of northern circle, forests, in C. P. 675; promn. of — to col. approved	678	Von Heyking, Baron, apptd. of — as consul-genl. for Germany at Calcutta recognised	675
Vaughan, Capt. T. T., R.A., ord. offr., 2nd class, offg. 1st class, to be ord. offr., 1st class, 519; granted genl. leave in India (p. a.)	622	Vyall, Mr. F. W., asst. engr., 1st grade, irrign. branch, Punjab, transfd. to Burma for employment on provl. works	498
Venayek Rao Ganesh Samarth, treasury accts. offr. of Tonk state, correction in notfn. regarding —	398	W	
Venketachellum, private, 22nd regt., Madras infy., granted medal	512		
Venketsawmy, private, 7th regt., Madras infy., granted medal	512	WADK, Mr. J., supdt. of office of comr. of Hyderabad assigned dists., apptd. to be extra asst. resdt., Hyderabad, and snpdt. of readcy. civil offices on probation	498
Venketsawmy, private, 16th regt., Madras infy., granted medal	512	Wade, W., 1st grade supy. senr. apothy., confirmed in that grade	446
Venketsawmy, private, 19th regt., Madras infy., granted medal	512	Waghorn, Lt. W. D., R.E., apptd. to p. w. d. as asst. engr., 2nd grade, and posted to state rye. 601; posted to estabt. under govt. of Madras for employment on rya.	601
Venketsawmy, private, 23rd regt., Madras light infy., granted medal	512	Wagle, Mr. K. B., to offe. in class V of enrolled list, acct. dept., 519; to revert to class VI, 598; to offe. in class V, 635; to offe. in class VI,	635
Venkiah, havildar, 2nd regt., Madras infy., granted medal	511	Wájid Ali, <i>Bahadur</i> , risaldar-maj., 3rd Bengal cavy., admtd. to 1st class of Order of British India, with title of <i>Sardar Bahadur</i>	521
Venning, Mr. F., comr., Nagpur divn., to offe. as judl. comr. of C. P.	433	Wájid Ali Khan, Havildar, to be jemadar, 1st Bengal infantry	425
Venour, Col. E., Bengal infy., promtd. to maj.-genl., Indian local service	663	Waldron, Lt. H. F. K., promn. of — to capt., B.S.C., approved	445
Vertannes, Mr. J. C., supdg. engr., 1st class, Bengal, on spl. leave, permtd. to retire from the service	620	Walker, Col. A., R.A., inspr. genl. of ord., Bengal circle, to offe. as dir.-genl. of ord. in India	634
Vesey, Lt. H. C., from Lincolnshire regt., admn. of — to B.S.C. as lt., approved	430	Walker, Lt.-Col. C., M.S.C., promtd. to col. in the army, subject to H. M.'s approval 511; to be col.	679
Vicars, Messrs. J.:—Specfn. of invention filed by —	526	Walker, Capt. E. S. F., R.A., asst. supdt. of factories, apptd. to be ord. offr., 3rd class	531
Vicars, T.:—Specfn. of invention filed by —	526	Walker, F. B., supdg. engr., 2nd class, sub. <i>pro tem.</i> , p. w. d., promtd. to supdg. engr., 2nd class, permtd., 440; apptd. to be engr.-in-chief of East coast ry. survey	501
Viccaji, Mr. Y. R., asst. supdt. of police, 1st grade, Berar police, apptd. to offe. as a dist. supdt. of police, 4th class	466	Walker, F., vety. surgn., 1st class, apptd. to be insptg. vety. surgn., lower circle, Bengal	628
Villupuram-Dharmavaram Ry.:—Use of loco. engines or other motive power and carriages and wagons to be drawn or propelled thereby, sanctioned on — 515; amalgamation of — with Dharmavaram-Guntakal sec. and name given to combined undertaking	557	Walker, Lt. M., R.A., apptd. to offe. as an ord. offr., 4th class	461
Vincent, Mr. C., exe. engr., 2nd grade, sub <i>pro tem.</i> , Madras, apptd. under secy. to govt. of India in p. w. d.	681	Walker, Depy. Surgn.-Genl. W., M.D., p. permtd. to retire from the service, subject to H. M.'s approval 604; retirement of — approved	679
Vincent, Maj. H. A., 2nd-in-comd., 2nd regt., C. I. Horse, to be 2nd-in-comd., 1st regt.	502	Wallace, Lt. D. R., Cossipore arty. voltrs., resigns his commn.	400
Vishwanath Narayan Dandekar, extra asst. comr., 4th class, Berar commn., apptd. to be an extra asst. comr., 3rd class	469	Waller, Lt. E., from Boraer regt., admn. of — to B.S.C. as lt., approved	511
Vishwanatham Moodliar, M., offg. extra asst. comr., 5th class, Hyderabad assigned dists., apptd. to be an extra asst. comr., 5th class	379	Waller, Capt. E. A., R.E., exmr., class IV, grade 3, permtd. to exmr., class IV, grade 2, sub. <i>pro tem.</i>	681
Volunteer Corps:—Amalgamation of Purneah rifles with Northern Bengal voltr. rifle corps sanctioned 404; separation of Calcutta naval arty. voltrs. from the voltr. land forces of India, and the conversion of the batty. into a naval		Waller, Sergt. H. W., comat. dept., to be sub-condr.	430
		Walling, Lt. A. T., from Lincolnshire regt., admn. of — to B.S.C. as lt. approved	430
		Walmaley, Sub-Condr. E., ord. dept., on probn., <i>seconded</i> , confirmed in his present grade	532
		Walsh, Sergt. M., barrack sergt., mily. works dept., to be sub-condr., supy.	670
		Walter, Lt.-Col. C. J., B.S.C., comdt., 8th Bengal infy., granted leave to proceed out of India, on p. a., 403; permtd. to retire from the service, sub-	

	Page		Page
ject to H. M.'s approval 600; retirement of — approved	629	offr., Meywar Bheel corps, and offr. civil surgn. of Bikanir, granted furlo. on m. c.	554
Walton, Lt. L. B., from Cheshire regt., admn. of — to B.S.C. as lt., approved	556	Webster, Lt. T., B.S.C., 12th Bengal infy., granted leave to proceed out of India on m. c.	399
Waman Narsen Bapat, extra asst. comr., 5th class, Berar commn., apptd. to be extra asst. comr., 4th class	469	Wedderburn, Capt. J. A. C., promn. of — to maj., B.S.C., approved	424
Ward, Mr. G. E., permtd. to resign H. M.'s Bengal civil service	501	Woir, 2nd Lt. A. V., Royal Irish rifles, probnr. for Indian staff corps, posted to B.S.C.	437
Ward, Lt.-Col. T. M., B.S.C., promtd. to col. in the army, subject to H. M.'s approval	670	Welchman, Capt. F. D., B.S.C., granted extn. of furlo. (m. c.)	429
Warden, Lt. A. W., B.S.C., 3rd envy., Hyderabad contgt., granted leave to proceed out of India on p. a. 302; granted extn. of furlo. (m. c.)	685	Welsh, Lt. J. W. W., Mussoorie voltr. rifle corps, resigns his commn.	498
Warden, Capt. F., Indian marine, offr. port offr., Moulmein, granted furlo. out of India (m. c.)	619	Wemyss, Col. H. M., C.B., B.S.C., transfd. to unemployed supy. list	679
Warden, Mr. St. L. S., 1st grade offr., and asst. survr., 3rd class, marine surv. of India, promtd. to asst. survr., 2nd class, 439; confirmed as asst. survr., 2nd class, 664; promtd. to asst. survr., 1st class, sub. <i>pro tem.</i>	664	Westinghouse Mr. G.:—Specfn. of invention filed by —	467
Warlow, Revd. E. J., apptd. a junr. chaplain on Bengal (Lahore) eccl. establ.	581	Westland, Mr. J., C.S.I., secy. to govt. of India, in dept. of finance and commerce, apptd. to be chief comr. of Assam 378; services of — placed at disp. of home dept. 384; recd. charge of office of chief comr. of Assam, 407; permtd. to resign H. M.'s B.C.S.	626
Warwick, 2nd Lt. C. S., Devonshire regt., posted to M.S.C.	661	Westmacott, Lt.-Col. R., B.S.C., to be col.	429
Wasudeo Sadashiv Pisolkar, clerk of court of comr., Hyderabad assigned dists., apptd. to be an extra asst. comr., 5th class, in Berar	469	Westmorland, Capt. C. H., B.S.C., 6th Bengal infy., granted leave to proceed out of India on p. a., 453; promtd. to maj.	662
Waterfield, 2nd Lt. A. C. M., 1st Dragoon guards, offr. squad. offr., 11th Bengal lancers, admtd. to B.S.C., subject to confirmation 677; and to rank as lt. in B.S.C., subject to H. M.'s approval	677	Weston, Lt.-Col. G. E., Madras genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 438; promn. of — to col., Indian army, approved	630
Waterhouse, Lt.-Col. J., B.S.C., to be col.	510	Weston, G. O., sub-asst. apothy., to be 2nd grade asst. apothy.	447
Waters, Bde.-Surgn. R., M.D., medl. staff, apptd. to be offr. administrative medl. offr. of Quetta dist. 461; brought on administrative medl. staff of the army	519	Westropp, Capt. G. R. C., B.S.C., depy. asst. comsy.-genl., 1st class, to be asst. comsy. genl., 4th class	661
Wathen, Mr. H. A. D., depy. exmr. of accts., p. w. d., re-posted to office of exmr. of guaranteed ry. accts., Madras	558	Wheatley, Capt. H. S., B.S.C., 1st battn., 2nd Gurkha regt., granted leave to proceed out of India on p. a.	437
Watkin, Lt. H. B. B., promn. of — to capt., B.S.C., approved	446	Wheeler, Capt. C.S., B.S.C., granted extn. of furlo. or leave (p. a.)	610
Watson, Lt. A. C., Wiltshire regt., offr. wing offr., 11th Bengal infy., admtd. to B.S.C., subject to confirmation 403; admn. of — to B.S.C. as lt., approved 629	629	Whish, Lt.-Col. J. T., B.S.C., retirement of — approved	520
Watson, Maj. A. J., Suffolk regt., offr. garrison instr., apptd. to be garrison instr.	429	Whitbread, Sergt. A., to be sub-condr.	512
Watson, Col. C. J., M.S.C., retirement of — approved 424	424	White, Lt. C. F., 3rd Punjab (North-Western ry.) voltr. rifle corps, resigns his commn.	656
Watson, Sub-Condr. J., sub-engr., 1st grade, p. w. d., Burma, granted furlo. out of India (p. a.)	662	White, Maj. W. H., R.E., exe. engr., 2nd grade, transfd. to establ. under govt. of Madras for employment on East coast sury.	543
Watts, G. K., exe. engr., 2nd grade, sub. <i>pro tem.</i> , p. w. d., promtd. to exe. engr., 2nd grade, permt.	543	Whitehead, 2nd Lt. J. H., Wiltshire regt., posted to M.S.C.	661
Watts, H. F., 3rd grade offr., Indian marine, promtd. to be 2nd grade offr.	425	Whitehead, Capt. W. F., Calcutta voltr. rifle corps, resigns his commn.	619
Watts, Maj. J. B., promtd. to lt.-col., B.S.C., subject to H. M.'s approval	541	Whitlock, Col. W. H., M.S.C., placed on list of maj.-genls.	680
Waymouth, Lt. H. N., from Liverpool regt., admn. of — to B.S.C. as lt., approved	511	Whittall, Lt. F. V., wing offr., 1st infy., Hyderabad contgt., apptd. adjt., 6th infy.	677
Wazir Singh, Jemadar, to be subadar, 45th Bengal infy. (Battray's Sikhs)	454	Whittall, Mr. R. H. C., depy. consvr. of forests, 2nd grade, C. P., and offr. consvr., 3rd grade, Punjab, confirmed in latter grade, and is apptd. to offr. in 2nd grade of consvr., 650; to revert to his substantive apptd. in 3rd grade	676
Wazir Singh, Havildar, to be jemadar, 23rd (Punjab) regt. of Pungal infy. (Pioneers)	599	Wicken, T. H., supdg. engr., 2nd class, p. w. d., promtd. to supdg. engr., 1st class, sub. <i>pro tem.</i>	440
Webb, Capt. H. N., promtd. to maj., B.S.C., subject to H. M.'s approval 399; promn. of — to maj., B.S.C., approved	557	Wighton, Maj. E., R.A., ord. offr., 2nd class, offr. 1st class, Bombay, granted furlo. out of India (p. a.)	392
Webb, Surgn. W. W., M.B., I.M.S. (Bengal), medl.		Wikeley, 2nd Lt. J. M., Royal Warwickshire regt., offr. wing offr., 3rd regt. of Bengal infy., admtd.	

	Page		Page
to B.S.C., subject to confirmation 646; and to rank as lt. in B.S.C., subject to H. M.'s approval	646	to depy. exmr., 2nd grade, perm., 463; promn. of — antedated	657
Wild, Mr. C. E., apptd. member of B.C.S. and to N.-W. P., Oudh, Punjab, and C.P.	625	Wood, Capt. C., R.A., apptd. to offe. as an ord. offr., 4th class	628
Willcocks, Surgn.-Maj. A. J., M.D., granted extn. of furlo. or leave (p. a.)	619	Wood, Mr. C., apptd. asst. supdt., 2nd grade, in surv. of India dept. and joined his apptt.	684
Willcocks, Mr. J. asst. engr., 1st grade, state rys., temply. lent to govt. of Bombay, promtd. to rank of exe. engr., 4th grade, tempy.	400	Wood, Capt. E. J. F., B.S.C., squad. comdr, 10th (Duke of Cambridge's O.w.n.) regt. of Bengal lancers, granted furlo. out of India (p. a.) 622; services of—replaced at disp. of mily. dept.	633
Williams, Col. B., C.B., B.S.C., dir., army remount dept., granted leave to proceed out of India on m.c.	437	Wood, Lt. E. J. M., East Surrey regt., offg. wing offr., 6th infy., Hyderabad contgt., admtd. to B.S.C., subject to confirmation 403; admn. of—to B.S.C. as lt., approved 629; apptd. wing offr., 4th infy., Hyderabad contgt.	677
Williams, Sergt. B., miscellaneous list, qr. mr. genl.'s office, to be sub-condr.	663	Wood, R., chief engr., marine dept., inspr. of machinery, Bombay dockyard, granted a further extn. of furlo (p. a.)	532
Williams, Lt. C. S., B.S.C., 43rd (Gurkha) regt. of Bengal (light) infy., granted leave to proceed out of India on p. a.	628	Woodcock, Lt.-Col. H. F., graded as mily. acctt., 3rd class	685
Williams Lt. E. L., Liverpool regt., wing offr., 20th Bengal infy., admtd. to B.S.C. subject to confirmation 403; admn. of—to B.S.C. as lt., approved	629	Woods, Lt. A. E., M.S.C., 3rd Sikh infy., Punjab frontier force, apptd. to be an asst. comr., 3rd grade, in Assam	401
Williams, F., C.S.I.—Specfn. of invention filed by—	378	Woods, E.—Specfn. of invention filed by —	434
Williams, Capt. G. A., graded as asst. mily. acctt., 2nd class	685	Woods, G.—Specfn. of invention filed by —	434
Williams, Sergt. J. J. sub-engr., 3rd grade, Burma, p. w. d., to be sub-condr.	521	Woodli, Mr. J., consul for the Netherlands at Aden, resumed charge of his office 651; resumed charge of office of consul for Germany at Aden	651
Willock, Lt.-Col. G. W., Bengal genl. list, cavy., promtd. to col. in the army, subject to H. M.'s approval	599	Worledge, Capt. J. P., B.S.C., granted extn. of furlo. or leave (p. a.)	662
Willoughby, Col. M. W., C.S.I., B.S.C., placed on list of maj.-genls.	670	Wright, Lt. E. L., promn. of—to capt., B.S.C., approved	446
Wilmer, Lt.-Col. J. R., B.S.C., to be col.	510	Wright, Mr. F., dist. supdt. of police, 1st class, apptd. to offe. as inspr.-genl. of police, jails, registration, and stamps, Hyderabad assigned dista.	431
Wilson, Sir A., &c., nominated to be an addl. member of legislative council of govt.-genl.	667	Wright, Lt. F. N. supy., (Mussorie voltr. rifle corps), apptd. to be capt., Cawnpore voltr. rifle corps	462
Wilson, Mr. A., exmr., 4th class, 3rd grade, sub. <i>pro tem.</i> , superior acctt. branch, promtd. to exmr., 4th class, 3rd grade, <i>perm.</i> , 463; promn. of — antedated	657	Wright, Lt. H., promn. of—to capt., B.S.C., approved	511
Wilson, Lt.-Col. F. A., offg. poll. agent, 1st class, posted as poll. agent in Bundelkhand 606; reverted to his substantive grade of poll. agent, 2nd class, 634; to offe. as a poll. agent, 1st class	668	Wright, J. W., supdg. engr., 1st class, sub. <i>pro tem.</i> , p. w. d., promtd. to supdg. engr., 1st class, permtd.	440
Wilson, Mr. J. W., store-keeper, promtd. from class III, grade 3, to class III, grade 2, of superior reve. establt. of state rys., stores dept.	658	Wright, Lt.-Genl. T., C.B., B.S.C., promtd. to be general	663
Wilson, Condr. T., ord dept., granted leave to proceed out of India on m. c. 655; granted furlo. out of India (m. c.)	660	Wright, Mr. T. H., depy. exmr., 1st grade, sub. <i>pro tem.</i> , superior acctt. branch, p. w. d., promtd. to depy. exmr., 1st grade, permtd., 463; promn. of — antedated	657
Wilson, Capt. and Bt. Maj. W. B., promn. of — to maj., B.S.C., approved	424	Wyer, Condr. P., ord dept., granted furlo. out of India (m. c.), 599; granted leave to proceed out of India on m. c.	655
Wilton, Lt.-Col. W. H. St. A., Madras genl. list, infy., promtd. to col. in the army, subject to H. M.'s approval 438; promn. of — to col., Indian army, approved	630	Wylie, Lt.-Col. H., C.S.I., Bengal genl. list, infy., offg. poll. agent, 1st class, to be a substantive poll. agent, 1st class	505
Windham, Lt. C. J., royal marine light infy., posted to M.S.C.	618	Wyllie, Maj. R. J. H., promtd. to lt.-col., B.S.C., subject to H. M.'s approval 438; promn. of — to lt. col., B.S.C., approved	629
Windhausen, F.—Specfn. of invention filed by —	539		
Wirz, Mr. A., apptt. of — as actg. consul for Austria and Hungary at Aden, recognised	379		
Wiseman, Mr. W., exe. engr., 2nd grade, state rys., services of — placed at disp. of govt. of Bombay for employment on Unmarkot ry., 515; transfd. from establt. under govt. of Bengal to that under dir.-genl. of rys. for employment on Hyderabad-Unmarkot ry. surv.	602		
Wolfe, Mr. G. C., depy. exmr., 2nd grade, sub. <i>pro tem.</i> , superior acctt. branch, p. w. d., promtd.			

X

XAVIER, F., private, 3rd regt., Madras light infy., granted medal 512

	Page		Page
Y			
YATE, Maj. C. E., C.S.I., C.M.G., B.S.C., poll agent, 3rd class, posted as poll agent at Muscat	651	Bengal infy., granted furlo. out of India (p. a.)	621
Yeats, Mr. S. K. L., depy. exmr., 2nd grade, perm., superior accts. branch, promtd. to depy. exmr., 1st grade, sub <i>pro tem</i>	681	Young, Mr. J., apptt. of — as actg. consular agent for United States of America at Moulmein, recognised	380
Yeld, Surgn-Maj. H. P. (Bengal estab.), offg. assay mr., Bombay, apptd. to offe. as assay mr., Calcutta, but will continue to offe. at Bombay till relieved	469	Young, Lt. J. H., promn. of — to capt., B.S.C., approved 445; granted extn. of furlo. (p. a.)	678
Yenkajee Rao, private, 3rd regt., Madras cavy., granted medal	512	Young, Capt. W. H., graded as asst. mil. acct., 1st class	685
Yeukiah, private, 2nd Regt. Madras infy., granted medal	512	Younghusband, Lt. G. J., promn. of — to capt., B.S.C., approved 445; granted extn. of furlo. (p. a.)	622
Young, Lt. C. F. G., promn. of — to capt., B.S.C., approved	445	Younghusband, Capt. G. W., B.S.C., 14th Bengal lancers, granted leave to proceed out of India on p. a.	541
Young, Capt. E. A., B.S.C., granted extn. of furlo. (p. a.) 429; ditto ditto 622; promtd. to maj., B.S.C., subject to H. M.'s approval	680	Yusuf Khan, Jemadar, to be subadar, 11th Bengal infy.	404
Young, Maj. and Bt. Lt.-Col. G. F., B.S.C., wing comdr. and 2nd-in-comd, 24th (Punjab) regt. of		Z	
		ZULFIKAR BEG, private, 15th regt., Madras infy., granted medal	512

GOVERNOR GENERAL'S ORDERS AND NOTIFICATIONS.

	Page		Page
MILITARY SECRETARY'S OFFICE.		ECCLESIASTICAL.	
Notification regarding the Viceroy's Levee at Government House, Calcutta	465	No. 347.—Extends Sections 223 to 228 of Code of Civil Procedure to Hill Tracts of Arakan	450
Notification regarding the Drawing Room to be held at Government House, Calcutta, by the Viceroy and Marchioness of Lansdowne	466	EDUCATION.	
Notification regarding the Viceroy's departure from Simla, his visits to different places, and arrival at Calcutta, 525; ditto ditto	533	No. 264.—Publishes addendum and corrigendum in certain revised ecclesiastical rules	407
Programme of the Viceroy and Governor General's arrival at Calcutta	649	No. 320.—Publishes programme of Lord Bishop of Calcutta's proposed visitation of Bengal, the N.-W. P. and Oudh, the Central Provinces and Central India	459
LEGISLATIVE DEPARTMENT.		No. 342.—Substitution for Rule V, Part I of revised Ecclesiastical Rules	501
No. 17.—Publishes Commissioners for Oaths Act, 1889 (52 Vict., Chapter 10). An Act for amending and consolidating enactments relating to the administration of Oaths	375	EXAMINATIONS.	
No. 19.—Publishes Merchant Shipping (Tonnage) Act, 1889, Statute 52 and 53 Vict., Chapter 43, 534; Merchant Shipping Act, 1889, Statute 52 and 53, Chapter 46, 535; Official Secrets Act, 1889, Statute 52 and 53, Chapter 52	536	No. 72.—Publishes regulations respecting the examination of candidates for the Civil Service of India, to be held in June 1890	574
No. 20.—Publishes Interpretation Act, 1889, Statute 52 and 53 Vict., Chapter 63, 545; Council of India Reduction Act, 1889, Statute 52 and 53 Vict., Chapter 65, 552; Merchant Shipping (Colours) Act, 1889, Statute 52 and 53 Vict., Chapter 73	552	JUDICIAL.	
No. 23.—Publishes Regulation No. IV of 1889. A regulation to validate certain proceedings under the Punjab Frontier Crimes Regulation, 1887.	591	No. 919.—Directs transfer of certain appeals from Court of Judicial Commissioner, Central Provinces, to High Court, N.-W. P.	395
No. 26.—Appoints time and place for a meeting of Legislative Council of Governor General	650	No. 267.—(Government of Madras) Extends Act XXXIV of 1850 (for better custody of State prisoners) and Act III of 1858 (to amend the law relating to the arrest and detention of State prisoners,) to the Taluks of Bhadrachalam and Rekapalle in Godavari district	434
HOME DEPARTMENT.		No. 268.—(Government of Madras) Declares that Act XXXIV of 1850 and Act III of 1858 are in force in certain districts, &c., of the Madras Presidency	434
CHIEF COMMISSIONER OF ANDAMAN AND NICOBAR ISLANDS AND SUPERINTENDENT OF PORT BLAIR.		No. 1118.—Directs that the Criminal Courts in giving effect to the provisions of Indian Merchandise Act, IV of 1889, shall observe certain instructions	441
No. 5. of 1889-90.—Extends to Chief Commissionership of Andaman and Nicobar Islands Sections 1 and 3 of Act X of 1888 (to amend Code of Civil Procedure and Presidency Small Cause Courts Act, 1889)	402	No. 1526.—Resolution by Government of India regarding the officials inorinated by the disclosures made in the course of the recent inquiry into the charges against Mr. A. T. Crawford	604
CHIEF COMMISSIONER OF ASSAM.		POLICE.	
No. 89.—Extends Act II (B. C.) of 1889 (An Act for the protection of the right of fishing in private waters) to territories under administration of Chief Commissioner of Assam	517	No. 682.—Confirms additional rules drawn up by Government of Bombay under provisions of Section 2 of Act VIII of 1870 (Murder of female infants) for the regulation and limitation of marriage expenses among the Lewa Knobs of Kaira district	538
CHIEF COMMISSIONER OF BURMA.		No. 763.—Specially extends Section 34 of Act V of 1861 (Police) to certain towns in Coorg	626
No. 346.—Declares that the Scheduled Districts Act, XIV of 1874, is in force in Hill Tracts of Arakan	450		

	Page		Page
MEDICAL.		No. 2443.— Directs under section 17 of Indian Arms Act, 1878, that certain clauses shall be added to the conditions printed on the back of Forms VII, VIII and XI of Forms of certain licences which may hereafter be issued in Assam	
No. 706.—Notifies that the four extra pensions, yearly, to senior officers of Indian Medical Department, as compensation for withdrawal from Sanitary Commissioners of the rank and privileges of a Deputy Surgeon-General, will be discontinued in respect of officers who may be appointed to the service after certain examination	604		675
POLICE.		SANITARY.	
No. 759.—Erratum in Notification No. 43 of 31st January 1889	621	No. 247.—Publishes a translation of amended article 8 of special Regulations of Ottoman Board of Health applicable to the Mecca pilgrimage of 1889	433
No. 827.—Extends Act V of 1861 (Police) to certain districts within the Lieutenant-Governorship of the Punjab	659	FOREIGN DEPARTMENT.	
PUBLIC.		EXTERNAL.	
No. 1190.—Makes additions to Rules 12 and 17 of Rules to regulate the transport and importation of explosives	378	No. 1272 E.—Declares that certain tract of land, at present subject to Government of Bombay and forming a portion of Kashmir taluka of Upper Sind Frontier district, shall henceforward be subject to Punjab Government	380
No. 1541.—Directs that licenses to possess arms or ammunition and to go armed shall, in the Mergui district of Burma, be granted in certain form and be subject to certain conditions	457	No. 1428 E.—Appoints the Resident in Nepal to be <i>ex-officio</i> Registrar of Births and Deaths for Nepaulesse Territory, and the Registrar-General of Births, Deaths and Marriages for Bengal to be the Registrar-General to whom the certified copies of the entries in the register books kept by the said Registrar shall be sent	411
No. 1812.—Publishes rules regarding the submission of petitions to the Government of India	552	No. 1442 E.—Republishes Order of Her Majesty the Queen in Council, under "Foreign Deserters Act, 1852," relating to the apprehension of seamen who, while within Her Majesty's dominions, desert from merchant ships belonging to citizens of United States of Mexico	411
No. 2009.—Notifies time and place of examination prescribed for filling up vacancies in the Clerical Establishments of the Secretariat Offices of the Government of India and attached offices, and of the offices subordinate to the Government of Bengal	592	No. 1581 E.—Republishes Order of Her Majesty the Queen in Council, applying Extradition Acts, 1870 and 1873, in the case of certain declaration concluded on 19th February 1889 between the Government of Her Majesty and the Government of His Majesty the King of Spain for amending certain treaty concluded with the said King for the mutual extradition of criminals	443
Nos. 2055-58.—Resolution by Government of India on the question whether a candidate for the Secretariat Clerical Service can appear at the examination and compete simultaneously for an appointment in the Secretariat Clerical Service of the Government of India and that of the Government of Bengal	603	No. 208 E.—Erratum in Notification No. 314 I. of 25th January 1889	554
No. 2061.—Substitutes certain clause for clause (8), Rule XII of Rules for transmission of Memorials to Her Majesty's Government	604	No. 1682 E.—Issues rules, in modification of previous orders on the subject of British officers visiting countries beyond the North-Western Frontier of India	600
No. 2085.—Directs that the Council of His Excellency the Viceroy and Governor General shall assemble at Calcutta	604	No. 1770 F.—Appoints the Deputy Commissioner, for the time being, of Dehra Ghazi Khan District, being an European British subject, to be a Justice of the Peace for certain tracts, and directs that the Chief Court of the Punjab shall be the Court to which the said Deputy Commissioner shall, as such Justice of the Peace, commit for trial	627
No. 2230.—Directs that certain condition shall be substituted for the last existing condition printed on the back of the form of license to possess and transport gunpowder and fuses for <i>bond fide</i> blasting purposes	650	No. 1771.—Issues certain orders applying the provisions of certain enactments to certain tracts situated between Dehra Ghazi Khan District and the countries of certain tribes	627
No. 2304.—Notifies time and place of examination prescribed for filling up vacancies in the Clerical Establishments of Secretariat Offices of Government of India and attached offices, and of the offices subordinate to Government of Bengal	650	INTERNAL.	
No. 2401.—Directs that certain proviso shall be added to Notifications No. 927 of 4th May 1888 and No. 1541 of 29th August 1889, prescribing forms of licences to possess arms and ammunition and to go armed to be granted in Burma	673	No. 2614 I.—Expresses satisfaction at the abolition of transit dues in the State of Nawab of Loharu in the Punjab	380
No. 2429.—Publishes revised Regulations under which a limited number of members of Covenanted Civil Service will be permitted to present themselves for examination in the Russian language while on furlough	674		

	Page
No. 2865 <i>I</i> .—Authorises the Government of North-Western Provinces and Oudh and any of its Secretaries to exercise, with respect to the Raja of Kapurthala's estates and property in Oudh, the functions assigned by sub-sections (1), (2) and (3) of section 438 of Code of Civil Procedure	380
No. 2808 <i>I</i> .—Sanctions the imposition of dog tax in Cantonment of Quetta	397
No. 2804 <i>I</i> .—Applies to the Cantonment of Quetta certain rules in force in the Municipality of Belgaum in Bombay Presidency for the recovery of the dog tax	398
No. 2803 <i>I</i> .—Appoints the Registrar-General of Births, Deaths and Marriages for Presidency of Madras to be the officer to whom Marriage Registrars in Mysore shall send the certificates mentioned in section 54 of Indian Christian Marriage Act, XV of 1872	402
No. 3053 <i>I</i> .—Issues the Orders called Bangalore Measures of Length Law, 1889	428
No. 3153 <i>I</i> .—Applies the provisions, so far as they may be applicable, of Probate and Administration Acts, V of 1881 and VI of 1889, and Succession Certificate Act, VII of 1889, to Civil and Military Station of Bangalore	430
No. 3521 <i>I</i> .—Issues certain orders in exercise of jurisdiction over the lands occupied by certain sections of Bhavnagar-Gondal-Junagad-Porbandar Railway system	468
No. 3531 <i>I</i> .—Appoints the person holding the office of Chaplain of Chuddergat to be the Registrar of Births, Deaths and Marriages in respect of certain classes of persons for Hyderabad State	468
No. 3713 <i>I</i> .—Issues orders in exercise of jurisdiction over certain lands which lie within the State of His Highness the Maharaja of Mysore and occupied, by the Railway connecting the Mysore State Railway and the Southern Mahratta Railway system	518
No. 3723 <i>I</i> .—Directs that so much of Act X of 1886 as amends the Indian Penal Code and the Prisoners Act, 1871, shall be deemed to have applied to Hyderabad Assigned Districts, and directs that the Nagpur Jail shall be deemed to be a prison within the territories subject to Resident at Hyderabad	519
No. 3842 <i>I</i> .—Makes certain amendments in Notification No. 2527- <i>I</i> . dated 30th July 1885, imposing certain taxes in Cantonment of Mhow	539
No. 3843 <i>I</i> .—Declares that the provisions of the Mhow Cantonment Taxation Regulations shall continue to apply to the assessment and collection of the taxes leviable in Cantonment of Mhow subject to certain modifications	540
No. 4082 <i>I</i> .—Directs that after section 22 of the Hyderabad Assigned Districts Courts Law, 1889, certain section shall be inserted	587
No. 4100 <i>I</i> .—Imposes certain octroi duties in the Cantonment of Nowgong	593
No. 4161 <i>I</i> .—Applies to the Cantonment of Nowgong certain rules for the assessment and recovery of octroi duties	595
No. 4227 <i>I</i> .—Appoints persons holding certain offices to be Registrars of Births and Deaths in respect of certain classes of persons for the local areas mentioned opposite their designations	606

	Page
No. 4289.—Applies Act V of 1861 (Police) to Cantonment of Secunderabad, subject to certain modifications	607
No. 4584 <i>I</i> .—Extends the period for which certain cotton and grain market cesses shall be imposed by certain municipalities established under Berar Municipal Law, 1886	660
No. 4587 <i>I</i> .—Insertion in Notification No. 1143 <i>I</i> . of 22nd March 1888 as amended by Notification No. 2065 <i>I</i> . of 22nd May 1889	680

MILITARY DEPARTMENT.

No. 592.—Directs publication of certain correspondence relating to operations recently carried out by Lushai Expeditionary Force	385
No. 748.—Sets apart certain buildings or parts of buildings at Thayetmyo station, Burma, as part of the military prison at that station, and declares the same to be part of such military prison	453
No. 782.—Directs publication of correspondence and despatches relating to late operations in Upper Burma	470
No. 839.—Publishes details of a column sanctioned to be despatched to co-operate with a force which will be engaged during the ensuing cold season in operations against the Chins, Lushais, Shendus and other tribes occupying the hill-tracts between the Chindwin and Kalé Valleys in Burma and the Chittagong district	530
No. 964.—Sanctions the separation of the Calcutta Naval Artillery Volunteers from the volunteer land forces of India and the conversion of the battery into a Naval Corps, to be designated the <i>Calcutta Naval Volunteers, &c.</i>	630
No. 1007.—Directs the publication of despatch from Secretary of State for India regarding field operations in Burma under the command of Major-General Sir G. White	661
No. 1047.—Sanctions the transfer of the control of South Andaman Volunteer Rifle Corps to Commander-in-Chief of Madras Army	670

JUDICIAL.

No. 1065.—Appoints the date on which the Cantonment, Act XIII of 1889, shall come into force	678
No. 1066.—Publishes draft of proposed rules under section 26, clause 21, of Cantonment Act, 1889	678
No. 1083.—Republishes G. G. O. No. 1066 of 20th December 1889	685

MARINE DEPARTMENT.

No. 45.—Notifies that the blockade of Continental Dominions of Sultanate of Zanzibar was raised	542
No. 52.—Notifies for information the declaration of the conclusion of the blockade on the East African coast	656

PUBLIC WORKS DEPARTMENT.

No. 211.—Notifies the date of commencement of preliminary and final tests of competitive examination for admission into Superior Accounts Branch of Public Works Department	400
---	-----

	Page
No. 222.—Resolution by Government of India, Public Works Department, on the examination of Traffic candidates for admission to Traffic Department of State Railways	406
No. 242.—Corrigendum in Notification No. 214 of 18th July 1889	440
No. 252.—Erratum in Notification No. 218 of 18th July 1889	447
No. 254.—Notifies that sanction has been given to the construction from borrowed funds of three subsidiary canals in connection with the previously sanctioned project of Sidnai Canal, situated in Mooltan district of the Punjab	448
No. 281.—Sanctions the use of locomotive engines or other motive power and carriages and wagons to be drawn or propelled thereby on the Villupuram-Dharmavaram Railway	515
No. 147 A.E.—Resolution by Government of India on the recruitment of the Subordinate Accounts Branch of Public Works Department	523
No. 305.—Notifies that the Dharmavaram-Guntakal Section of the Vellupuram-Dharmavaram Railway has been amalgamated with the latter, and that the combined undertaking will be known as Vellupuram-Guntakal Railway	557
No. 312.—Publishes Resolution by Government of India regarding the reorganization of the Superior Revenue Establishment of State Railways	558
No. 323.—Notifies that sanction has been accorded to certain estimates for the construction of the extensions of the Cuddapah-Nellore State Railway which now form part of the Villupuram-Guntakal Railway	601
No. 325.—Places the survey of a line of railway from Delhi to Kotri-Bikanir Desert Railway Survey under the control of Director General of Railways	601
No. 328.—Erratum in Schedule C, Superior Revenue Cadres, Burma State Railway	601
No. 376.—Places the construction of the MuValley Railway under the control of the Chief Commissioner of Burma	658
No. 383.—Notifies that sanction has been given to certain estimate for the construction of an extension of Tirhoot State Railway from Durbhanga to Bairagnia	671
No. 387.—Notifies that sanction has been accorded to certain estimate of cost of prolongation of Chaman Extension of North-Western Railway to new Chaman Station	671

TELEGRAPH.

No. 375.—Orders the substitution of certain revised rule for Rule 26. III of Rules for Inland Telegrams	658
---	-----

REVENUE AND AGRICULTURAL DEPARTMENT.

FORESTS.

No. 666 F.—Erratum in Notification No. 382 F. of 3rd May 1889	379
---	-----

EMIGRATION.

No. 122-30-5 E.—Publishes draft of a proposed amendment in Rules under Indian Emigration Act, XXI of 1883	435
No. 147-34-6 E.—Publishes draft of a proposed amendment of Schedule E, page 90 of Rules relating to Colonial Emigration, and notifies when the draft will be taken into consideration	502
No. 154-15-9 E.—Declares that a native of India who departs by sea out of British India under an agreement to labour for hire in the protected Native States of Negri, Sembilan and Pahang, adjoining the Straits Settlements, shall not be deemed to emigrate within the meaning of Act XXI of 1883	526
No. 171-34-7 E.—Makes amendment to certain rules relating to Colonial Emigration	581
No. 172-2-27 E.—Makes Rule to be substituted for Rule 160 regarding the disposal of the nominal roll of emigrants	581

REVENUE.

No. 488.—Authorises the several Members of the Board of Revenue, Lower Provinces, to exercise generally throughout the territories subject to their control all the duties, powers and authority which are vested in the Board collectively in respect of certain departments	396
No. 521 E.—Publishes statement of terms on which grants of land in Burma may be made to approved applicants who are willing to undertake the introduction of cultivators from certain parts of India	408

CHIEF COMMISSIONER OF BURMA.

No. 107 of 1889.—Extends the Upper Burma Land and Revenue Regulation, 1889, to the territories transferred to Lower Burma	410
---	-----

DEPARTMENT OF FINANCE AND COMMERCE.

ACCOUNTS AND FINANCE.

No. 3280.—Notifies the determination of the governor general in council to borrow two hundred lakhs of rupees	381
No. 3802.—Advertises list of securities lost or destroyed in respect of which an order has been made for payment of interest pending the issue of a duplicate security, or for the issue of such duplicate security	412
No. 4105.—Directs that certain rule be substituted for Rule 4 of Rules for raising of loans by local authorities in the open market	430
No. 5612.—Resolution by Government of India on the reports on the working of the Mints and Assay Offices of Bombay and Calcutta for the year 1888-89	612

COMMERCE AND TRADE.

No. 4450.—Publishes statement of receipts and expenditure on account of Burma coast-lights for the year ending 31st March 1889	461
No. 4970.—Directs the publication of order of Her Majesty the Queen in Council, revoking the order	

	Page
in Council of 26th June 1873, in respect of the measurement of the tonnage of vessels belonging to the German Empire	629

CUSTOMS.

No. 302 S.—Exempts from export duty all rice exported by sea and entered onwards for either of the French Ports of Pondicherry and Karikal, or passing by land into either of those Settlements	684
---	-----

POST OFFICE.

No. 5419.—Prohibits the bringing or taking by sea or by land into British India of any copies of past or future issues of certain newspaper published at Chander nagore	598
No. 6288.—Directs what rates of postage shall be chargeable on parcels posted in British India for transmission to Ceylon	608

SALT.

No. 3883.—Makes rules for regulating the receipt from the public and the acceptance by the Assistant Commissioners of Salt Revenue at Sambhar, Pachbadra, and Khewra, of indents for the supply of salt, and its transmission by rail to the station named by the applicant	422
No. 6005.—Extends the Indian Salt Act, XII of 1882, with certain exceptions, to Calcutta	651
No. 6007.—Directs that certain rules made under Indian Salt Act, XII of 1882, shall be published	651

STAMPS.

No. 4394.—Remits Court-fees payable on applications under section 97 of Punjab Land Revenue Act, XVII of 1887, made by certain village officers	461
No. 4650.—Notifies certain reductions and remissions of fees under section 35 of Court-fees Act, VII of 1870	506
No. 5553.—Exempts the debentures of the Municipality of Surat from certain stamp duties	635
No. 5855.—Reduces and remits stamp duties on certain instruments	636

SPECIFICATIONS OF INVENTIONS.

No. 102 of 1887.—H. Appleby, for improvements in and connected with blast-pipes	582
No. 11 of 1888.—The Cassel Gold Extracting Company, Limited, for improvements in obtaining gold and silver from ores and other compounds	378
No. 25 of 1888.—G. A. Goodwin and W. F. How, for improved form of lock nut	396
No. 28 of 1888.—A. S. Massey, for the construction of light ploughs	467
No. 30 of 1888.—J. Mylne, for improvements in iron or composite frames for machines for expressing the juice from sugarcane	396
No. 34 of 1888.—J. F. Regan, for making Regan's indelible seals and stamps and pads	450
No. 36 of 1888.—A. S. Massey, for the construction of ploughs whereby the body and beam are made out of one solid bar of iron or steel securing strength, durability, and economy in manufacture	396

	Page
No. 39 of 1888.—A. S. Massey, for improvements in sugarcane mills	467
No. 45 of 1888.—F. Williams, C.E.I., for an improved windmill to be used as a motive power for any kind of machinery, to be called "The Indian Wind Engine"	378
No. 53 of 1888.—H. S. Elworthy, for a novel method and application of centrifugal force or power for oxidising or heating indigo liquor	526
No. 54 of 1888.—H. S. Elworthy, for an improved light, portable or fixed carriage system by means of stationary wire, wire rope, hemp rope, or pipe	526
No. 55 of 1888.—H. S. Elworthy, for a novel method and application of centrifugal force or power for cleansing and pressing indigo	526
No. 59 of 1888.—The Cassel Gold Extracting Company, for improvements in extracting gold and silver from ores or other compounds	434
No. 66 of 1888.—A. S. Massey, for a pump bucket suitable for domestic or other purpose	526
No. 81 of 1888.—Makhu Lal and Sohnn Lal, for a machine cultivator	378
No. 82 of 1888.—J. C. Melliss, for improvements in sewing machines	408
No. 95 of 1888.—R. Morris, for an improvement in filters	396
No. 110 of 1888.—J. Gilchrist and D. Ballardie, for improvements in lamps for burning solid or viscous hydro-carbons	582
No. 120 of 1888.—J. R. Montague, for improvements in machinery for opening, cleaning, and ginning seed-cotton	396
No. 136 of 1888.—A. Thomas, for interlocking level-crossing gates with signal	408
No. 140 of 1888.—La Compagnie Generale Des Explosifs Favier, for improvements in the manufacture of explosives and in cartridges formed off or containing such explosives	450
No. 149 of 1888.—J. H. Pollok, for improvements in the wet method of extracting gold from crushed ores or other finely divided auriferous materials	530
No. 159 of 1888.—J. Vicars and T. Vicars, for improvements in apparatus for feeding fuel to steam generator furnaces	526
No. 2 of 1889.—H. L. Phillips, for improvements in the construction of stoppers or covers for the mouths or openings of bottles, pots, jars, and other hollow vessels	408
No. 9 of 1889.—G. Woods and E. Woods, for improvements in the seats and backs of railway and tramway carriages	434
No. 11 of 1889.—L. Keyling, for process and apparatus for producing shot or spheres of fragments or pieces of iron, steel and metal	396
No. 32 of 1889.—F. B. Hill, for improvements in ice-making, cooling, and refrigerating apparatus	467
No. 34 of 1889.—G. Ashworth and E. Ashworth, for improvements in the method of, and in means for, attaching the clothing to carding engine flats	438
No. 36 of 1889.—W. Phillips, for an improvement on a sugarcane mill, known as "Phillips (portable) automatic cane-divider and squeeze mill"	467
No. 51 of 1889.—W. Robertson, for an improved article of food or solidified jelly	434
No. 61 of 1889.—J. Brown, for improvements in tea rolling machinery	539

	Page		Page
No. 67 of 1889.—B. A. Cordner, for a water meter suitable for measuring the quantity of water used in irrigation-water-courses	434	in the treatment of rees or ramie and other fibrous plants, and in apparatus therefor	467
No. 69 of 1889.—S. C. Davidson, for improvements in stoves or air heating apparatus	450	No. 136 of 1889.—H. M. Harcourt, for making an automatic centrifugal electric alarm or indicator . .	396
No. 70 of 1889.—J. Rickie, for a high pressure valve for compound engines to be called Rickie's improved valve for compound engines	326	No. 137 of 1889.—S. R. Balldon and J. Kershaw, for improvements in the construction or arrangement of apparatus for working punkahs	433
No. 75 of 1889.—H. W. Bryning, for an automatic stretcher camp bed	434	No. 138 of 1889.—J. E. Hickmott and H. C. W. Hickmott, for an improved soorkee mill, and for improvements in and the methods of working such mills	450
No. 81 of 1889.—A. A. F. Davis and H. Howard, for an improved self-acting punka-pulling machine	526	No. 141 of 1889.—W. Rogers, for the automatic adjustment of rollers and their bearings, either separately or together, of sugarcane crushing mills, the adjustment being performed by the force obtained by the gravity of a suspended weight . .	467
No. 82 of 1889.—J. Hope, for fare checking, indicating, and advertising apparatus for use in omnibuses	467	No. 142 of 1889.—The Universal Water Power Company, Limited, for improvements in or connected with water-wheels and paddle-wheels . .	634
No. 96 of 1889.—J. J. Meldrum, for improvements in, and connected with, apparatus for distributing air or gases to liquids	526	No. 143 of 1889.—J. F. Golding, for improvements in machines for the manufacture of metal lattice-work or trellis-work	526
No. 99 of 1889.—F. W. Allehin, for improved riding toys or apparatus in which galloping or analogous movements are imparted to horses, boats, or corresponding parts carrying the riders, in addition to their forward movement as parts of the apparatus, such invention being in part applicable also to roundabouts or merry-go-rounds . .	396	No. 144 of 1889.—D. Rylands, for improvements in machinery for the manufacture of bottles	631
No. 103 of 1889.—R. Entwistle and R. Newell, for improvements in and connected with combined spray producers and ventilators	434	No. 146 of 1889.—T. E. Thomson and Company, Limited, for a cheap lamp reflector and wind protector	539
No. 104 of 1889.—C. H. T. Havemann and A. B. Cunningham, for improvements relating to the extraction of gold, silver and lead from substances containing the same and to apparatus therefor . .	379	No. 147 of 1889.—G. Westinghouse and F. Moore, for improvements in drivers' valves for controlling pneumatic brakes in railway trains	467
No. 105 of 1889.—B. Hoff, for improvements of apparatus for rectification	379	No. 148 of 1889.—C. J. V. Depoele, for improvements in carbon contacts or commutator brushes for use with dynamo-electric generators and electro-dynamic motors	435
No. 119 of 1889.—E. Müller, for improvements in couplings for railway vehicles	396	No. 151 of 1889.—E. Brasier, for improvements in machinery for decorticating, breaking and separating fibrous materials, such as New Zealand flax (yocka), aloes, pineapple and other like fleshy fibrous plants and leaves	539
No. 120 of 1889.—D. G. Holy, for improvements in arrangements or apparatus for ventilating halls, rooms, or other interiors	396	No. 152 of 1889.—E. J. Hall and H. I. Norton, for improved clasps for bands for securing papers, envelopes, and the like together in bundles . . .	530
No. 121 of 1889.—La Société des generateurs & vaporisation instantanée, for improvements in apparatus for generating steam	379	No. 155 of 1889.—G. F. Strawsen, for a pneumatic machine for distributing seeds, manures and other solid or liquid substances over land under cultivation	583
No. 122 of 1889.—F. A. Reihleu, for improvements in treating sparkling and effervescent beverages	408	No. 158 of 1889.—H. Deveril and W. Gallagher, for improvements in photographic negatives and sensitised plates for use in photo-illustrative processes	582
No. 123 of 1889.—J. Roots, for improvements in petroleum engines	408	No. 160 of 1889.—J. Morison, for an improvement in the batching of flax, jute or tow	539
No. 124 of 1889.—N. G. Sørensen, for improvements in door and other locks	582	No. 168 of 1889.—W. A. Gibbs, for improvements in, or connected with, furnaces and apparatus for the production of hot air, and for drying coffee, withering and finishing tea and for other drying purposes	526
No. 125 of 1889.—J. B. Fonley, for a method of supplying oil for lamps at different levels, and apparatus for that purpose	434	No. 169 of 1889.—G. Daimler, for improvements in gas and petroleum motor engines	467
No. 126 of 1889.—H. Edmunds, for improved system and means to be used in the supply or distribution and control of electricity for lighting or other purposes	408	No. 170 of 1889.—W. Jackson, for improvements in apparatus for drying tea	634
No. 127 of 1889.—C. Chewright, for improvements in machinery or apparatus for perforating the sides of capsules for bottles and similar receptacles	435	No. 176 of 1889.—J. J. Lapping, for improvements in brake shoes in railway cars	526
No. 128 of 1889.—S. C. Davidson, for improvements in the manufacture of metal boxes or chests in which to pack tea or other substances for storage or transit	582	No. 180 of 1889.—T. C. W. Somerlatt, for the manufacture of matches (sulphur and safety) from materials other than wood	526
No. 129 of 1889.—G. H. Smith, for improvements in producing manifold copies and in materials to be used for this purpose	450		
No. 131 of 1889.—H. H. Doty, for improvements			

	Page
No. 186 of 1889.—T. Akitt, for improvements in oxidizing indigo liquor for the production of indigo blue	634
No. 187 of 1889.—W. Kuneszuff, for improvements in gas purifiers	539
No. 188 of 1889.—R. Handel, for a new musical instrument called the "Lithophon"	539
No. 192 of 1889.—W. L. Card, for improvements in dry concentrators for the treatment of ores	582
No. 193 of 1889.—F. H. Snyder, for improvements in and relating to explosives and other projectiles or shells	634
No. 196 of 1889.—I. S. McGiehan, for improvements in railway metal ties or "sleepers"	539
No. 200 of 1889.—J. Bourne, for an improved mode of and apparatus for obtaining motive force for use in fluid pressure engines	526
No. 209 of 1889.—E. K. Coas, for improvements in a novel metallic pipe and means for making it.	539
No. 211 of 1889.—J. Y. Johnson, for improvements in graphophones or instruments for recording and reproducing speech and other sounds	526
No. 219 of 1889.—W. S. deL. Roberts and J. S. Mollison, for an improved atmospheric thermo-electric generator	634
No. 222 of 1889.—C. T. Suedekor, for improvements in insulation for electric conductors	582

	Page
No. 225 of 1889.—F. Windhausen, for improvements in apparatus for refrigerating purposes, applicable also to machines for compressing air and gases for other purposes	539
No. 226 of 1889.—A. Don and J. Sands, for improvements in apparatus for the prevention and consumption of smoke and the more complete combustion of fuel in steam-boiler and other furnaces	582
No. 230 of 1889.—W. Anderson, for improvements in apparatus for purifying water	583
No. 233 of 1889.—A. E. H. Lowé, for improvements in means for securing corks and stoppers in bottles	583
No. 236 of 1889.—P. Giffard, for improvements in and relating to guns, projectiles or shells and mining or blasting cartridges	634
No. 240 of 1889.—H. W. Bryning, for an automatic music leave turner, styled "The Instantan Music Turner"	634
No. 243 of 1889.—W. Garlick, the Younger, and W. B. Colville, for a new and improved construction of furnaces for burning towns' or other refuses	583
No. 245 of 1889.—T. E. Thomson and Co., for a night-soil vessel dry-earth sealer	634

INDEX TO

The Gazette of India.

JULY TO DECEMBER 1889.

PART II.

A	Page		Page
ABBOTT, Lt.-Col. H. B., poll. supdt., Jhallawar, granted priv. leave 434; availed himself of priv. leave 503; returned from priv. leave and resumed charge of office of poll. supdt. of Jhallawar.	661	ministration within dist. of — 534; catalogue of books and periodicals published in — and registered under Act XXV of 1867, during qr. ending 30th Sept. 1889, 573; certain Acts regarding the levy of tolls on roads and bridges extended to — 562; direction as to rates of toll to be levied on Pushkar road during certain time 562; declaration by chief comr. under sec. 7 (I) (C) (W) of Ajmere govt. wards regn., 1888	660
Abdool Ahud, 3rd class hospl. asst., Rajputana, transfd. from Northern India salt reve. hospl., Phalodi, to Sardarshahr dispensary in Bikanir	661	Allanoor Khan, Munshi, Naib Tehsildar of Beawar, apptd. to offe. as depy. magte., Kekri, 506; apptd. to be a magte. of 2nd class within Ajmere dist., and is specially empowered to pass sentences of whipping 505; took over charge of office of depy. magte., Kekri	551
Abdool Hamid, hospl. asst., apptd. 3rd class hospl. asst. for govt. service, and placed on native states reserve list	364	Alleemuddin, 1st class hospl. asst., of govt. reserve list, granted priv. leave 410; transfd. to Northern India salt reve. hospl., Phalodi	661
Abdool Shakoor, 3rd class hospl. asst., Ratangurh raj dispensary in Bikanir, transfd. to Ulwar raj service	410	Allen, Mr. W. G., exo. engr., 3rd grade, granted furl. in extn. of furl.	491
Abdullah Khan, medl. pupil, Agra medl. school, for service in native states, passed his final exmn. and apptd. a 3rd class hospl. asst. and placed on native states reserve list 410; transfd. to Jeypore raj service	661	Ally Murdan Khan, 3rd class hospl. asst., attd. to Hewson genl. hospl. at Jodhpore, granted extraordinary leave without allowances	365
Abdullah Khan, 1st class hospl. asst., Rajputana, transfd. from jail hospl., Ajmere, to Raj dispensary at Pertabgurh	661	Amar Singh Munshi, Offg. Naib-Tehsildar at Sibi, Baluchistan, to offe. as munshif of Sibi	375
Adam, Mr. J., asst. engr., 1st grade, granted leave to study native languages	448	Anant Praashad, 3rd class hospl. asst., attd. to Merwara battn., granted leave of absence with full pay 459; retnd. from leave	561
Adams, Surgn.-Maj. A., M.D., I.M.S., Madras, period during which — was on priv. leave	459	Ardekar Jahangir Parakh, apptd. to be post Mr., Rajkot	603
Adams, Mr. W. F. E., apptd. as an asst. surr., 3rd grade, survey of India, on probn.	458	Ardesir Cowasjee Postwala, hospl. asst., apptd. 3rd class hospl. asst. for govt. service, and placed on reserve list of hospl. asstts. for service in native states 575; apptd. to act at raj dispensary at Rajgurbh in Ulwar state	661
Administrator-Genl. :—Notice of deaths sent to — of Bengal 363, 377, 422, 461, 473, 516, 571, 623, 647,	673	Asghar Ally Khan, 2nd class hospl. asst., Rajputana, transfd. from Motikatra dispensary in Jeypore to Bhilwara dispensary in Meywar	661
Aga Abdulla, Mr. —, apptd. to act as a chairman of bench of spl. magtes. for civil and maly. station of Bangalore	534	Ashton, Mr. A. F., asst. comr., Sambhar divn., Northern India salt reve. dept., transfd. to lower divn., internal branch	602
Agarwala, Mr. M. M. L., apptd. an asst. survr., 3rd grade, surv. of India	569	Asiatic Society of Bengal :—List of books for sale at the library of — 368, 414, 480, 537, 590,	653
Ajmere-Merwara :—Rules framed by municipal comtee. of Ajmere under sec. 3 of Act XIV of 1870 (The Hackney Carriage Act), 475; rules made for apptt., punishment, suspension and dismissal of ministerial offrs. in Ajmere commn. 504; comr. of — apptd. to be chief controlling reve. authority for purposes of Indian Stamp Act, 1879, 506; court of chief comr. and court of comr. —, authorised to receive applications for probate and letters of ad-		Atkinson, Mr. E. S. P., survr., 2nd grade, surv. of India, granted furl.	475
		Atkinson, Mr. G. W. E., survr., 1st grade, surv. of India, granted priv. leave on m. a. 364; granted priv. leave in supercession of former notfn.	396

	Page		Page
B			
BABOWAO, Jr., Mr. T. W., asst. survr., 2nd grade, surv. of India, granted leave in extn. of leave . . .	487	of Merwara, 518; apptd. to be a magte. of 1st class in Merwara dist. during certain time 505; took over charge of current duties of office of asst. comr., Merwara . . .	505
Bagchi, K. K., asst. surgn., 3rd grade, Bengal provincial establt., dismissed the service of govt. . .	517	Boileau, Col F. W., comdt. of Deoli irr. force, resumed charge of his duties as cantt. magte., Deoli . . .	674
Baker, Mr. W. J., asst. survr., 3rd grade, surv. of India dept., reve. branch, granted priv. leave . .	611	Boileau, Lt.-Col. L. F., R.E., exe. engr., mily. works and roads divn., Rajputana and C. I., granted furlough . . .	550
Baluchistan :—Graded list of tehsildars and munnafs in — as modified by govt. of India 598; ditto ditto . . .	599	Bose, Babu A., entertained as a 3rd grade hospl. asst. for permt. civil employment in Burma . .	660
Bank of Bengal :—Statement of affairs of — for week ending 2nd July 1889, 363; 9th July 1889, 377; 16th July 1889, 388; 23rd July 1889, 400; 30th July 1889, 412; 6th Aug. 1889, 422; 13th Aug. 1889, 436; 20th Aug. 1889, 449; 27th Aug. 1889, 461; 3rd Sept. 1889, 473; 10th Sept. 1889, 490; 17th Sept. 1889, 508; 24th Sept. 1889, 516; 8th Oct. 1889, 551; 15th Oct. 1889, 561; 21st Oct. 1889, 571; 29th Oct. 1889, 586; 29th Oct. 1889, 601; 5th Nov. 1889, 601; 12th Nov. 1889, 611; 19th Nov. 1889, 623; 26th Nov. 1889, 636; 3rd Dec. 1889, 647; 10th Dec. 1889, 661; 17th Dec. 1889, 673; 23rd Dec. 1889, 686, notice of annual genl. meeting of proprietors and shareholders of— 397; proceedings at the annual genl. meeting of proprietors and shareholders of— held on 15th Aug. 1889, 447; notice regarding the closing of — during the Doorga Poojah holidays 517; notice regarding closing of transfr. books of— . . .	686	Bradford, Mr. G. A., asst., comr., lower divn., Internal Branch, Northern India salt reve. dept., transfd. to Punjab mines divn. . .	603
Barckley, Mr. W. C. G., asst. survr., 1st grade, surv. of India, granted priv. leave . . .	609	Brij Mohan Lal, 2nd class hospl. asst., attd. to charitable dispensary, Abu, granted priv. leave 410; medl. charge of Detachment, Eriupura irr. force, and of magistracy jail at Abu, transfd. to— . .	624
Barnet, Capt. H. H., R.E., tempy. exe. engr., class IV, mily. works dept., promtd. to exe. engr., class IV., sub. <i>pro tem.</i> . . .	587	Browne, Lt. A. P., offg. squad. offr. (on probn.), 1st regt, C. I. Horse, retud. from language leave and assumed charge of his duties . . .	534
Barrett, Mr. E. C., offg. depy. supdt., 3rd grade, surv. of India, confirmed in that grade . . .	374	Buller, Col. H. M., poll. agent, Western Malwa, retud from priv. leave and resumed charge of Western Malwa Agency . . .	425
Baylay, Col. C. A., B.S.C., retued. from spl. leave and resumed charge of Kotah Agency . . .	599	Bunnia, Jemadar, apptd. native adjt., Eriupura irr. force . . .	587
Beavan, Lt.-Col. R., S.C., offg. depy. supdt., 3rd grade, surv. of India, confirmed in that grade . .	374	Burne, Lt.-Col. J., comdt. Malwa Bhil corps, granted priv. leave 447; availed himself of priv. leave . .	586
Beechey, Mr. P., asst. survr., 2nd grade, surv. of India dept., reve. branch, granted priv. leave . .	398	Burrard, Capt. S. G., R.E., offg. depy. supdt., 4th grade, surv. of India, confirmed in that grade . .	374
Belcham, Mr. G., survr., 3rd grade, surv. of India, promtd. to survr., 2nd grade . . .	374	Butcher, Mr. H. L., asst. engr., 1st grade, granted a further extn. of extraordinary leave without pay . . .	575
Bell, Mr. F. S., asst. survr., 3rd grade, surv. of India, promtd. to asst. survr., 2nd grade . . .	374	Butler, Capt J. B. R., offg. 2nd-in-comd., 2nd Bombay lancers, apptd. to hold charge of current duties of office of cantt. magte., Nussacerabad, 448, invested with powers of a magte. of 2nd class, to be exercised within Ajmere dist. during the time he may hold charge of office of cantt. magte. . .	448
Bell, Surgn. G. J. H., M.B., I.M.S., assumed medl. charge of Deoli irr. force 387; took over medl. charge of Harowtie and Tunk poll. agency 399; assumed charge of his duties as offg. civil surgn. of Bikaner . . .	648	C	
Bell, Capt. J. A., offg. comdt., Deoli irr. force, granted priv. leave 376; resumed charge of office of cantt. magte., Deoli . . .	575	CAREY, Mr. A. D., C.S., comr., northern India salt reve., recd. charge of his office . . .	624
Biddulph, Mr. C. E., sett. ffr., Meywar, retud. from priv. leave . . .	426	Casgrain, Lt. P. H. DuP., R.E., tempy. asst. engr., 2nd grade, mily. works dept., promtd. to asst. engr., 2nd grade, sub. <i>pro tem.</i> . . .	587
Biggs, Capt. H. V., R.E., asst. engr., 1st grade, mily. works dept., promtd. to exe. engr., 4th grade . .	390	Cemetery :—Notice relative to monument out of repair in Peshiu — 366, 380; notice regarding tombs in a ruinous condition in civil lines — of Agra, . . .	427
Bishen Sarup Munshi, Rai Bahadur, took over charge of the office of depy. magte., Kekri, 410; apptd. to be a subordinate judge of 1st class in dist. of Merwara, and is invested with powers of a judge of a court of small causes within local limits of Beawar tehsil during such time as he may hold charge of current duties of office of asst. comr.		Chill, Mr. W. R., sub-engr., 1st grade, attd. to mily. works and roads divn., distinction of hony. asst. engr. conferred on — . . .	587
		Chuckerbutty, Baboo B. L., confirmed as chief supdt., office of compr., post office . . .	603
		Chuckerbutty, Asst. Surgn. K. P., M.B., retud. from priv. leave and resumed charge of medl. duties of civil station of Beawar . . .	434
		Cinchona Febrifuge :—Notices relative to govt. — 366, 380, 390, 413, 428, 437, 450, 464, 478, 493, 509, 519, 536, 552, 577, 583, 589, 603, 614, 625, 638, 650, 663, 676, . . .	687

	Page
Civil Engineering College, Seebpore :—Notice regarding exmn. for admn. to mechanical appce. dept. of —	637, 650, 662, 676
Claudius, Mr. T. E. M., survr. 4th grade, surv. of India, promtd. to survr., 3rd grade	374
Coaker, Maj. W. H., R.E., depy. manager, North-Western ry., granted furlo. out of India	588
Comptroller Genl. :—Acct. of reve. and expenditure of the govt. of India for the first month of the year 1889-90, as compared with the corresponding period of 1888-89, 445 ; for first 2 months of ditto as ditto, 489 ; for first 3 months of ditto as ditto, 584 ; for first 4 months of ditto, 633 ; for first 5 months of ditto as ditto, 670 ; notice regarding the closing of the public debt office and govt. savings bank at the bank of Bengal, and closing of paper currency office	503, 515, 529
Connor, Mr. J., survr., 4th grade, snrv. of India dept., reve. branch, granted priv. leave 611 ; correction of date of above leave	645
Coode, Mr. J. M., asst. supdt., offg. class V, 2nd grade, tel. dept., allowed furlo. on m. c.	387
Cooke, Mr. G. H., offg. depy. supdt., 3rd grade, snrv. of India, confirmed in that grade	434
Cooper, W., 1st grade apoth., services of — placed at disp. of Punjab govt.	386
Cordeiro, Mr. A., apptd. to be post mr., Karachi	603
Cordue, Lt. W. G. R., R.E., asst. engr., 1st grade, mily. works dept., promtd. to exe. engr., 4th grade, 390 ; reverted to asst. engr., 1st grade	612
Cotes, Mr. E. C., first asst. to supdt., Indian museum, retnd. from priv. leave, and resumed his duties	561
Conchman, Mr. F. D., asst. engr., 2nd grade, posted to North-Western ry.	411
Cromartie, Mr. D. B., asst. supdt., class V, 2nd grade, Indian tel. dept., promtd. to asst. supdt., class V, 1st grade	637
Currency Notes :—Allahabad circle 435, 490, 672 ; Calcutta circle 435, 518, 586, 637 ; Lahore circle	506
Currie, Mr. H. A. F., asst. engr., 2nd grade, North-Western ry., granted extraordinary leave in extn. of spl. leave	435

D

DALRYMPLE, Lt.-Col. R. G. E., made over charge of office. of cantt. magte., Nowgong	375
Dannet, Lt. W. D., offg. sqnad. offr., 1st regt., C.I. horae, retnd. from language leave and assumed charge of his duties	534
Davidson, Capt. G., R.E., exe. engr., 3rd grade, mily. works dept., promtd. to exe. engr., 2nd grade, sub. <i>pro tem.</i>	418
Dease, Mr. P. P., exe. engr., 2nd grade, posted to North-Western ry.	376
DeBrath, Mr. S., exe. engr., 4th grade, sub. <i>pro tem.</i> , granted furlo.	665
DeLaesson, Capt. A. F., C.M.G., C.I.E., invested with powers of a magte. of 1st class, to be exercised within Merwara dist., 387 ; invested with power to try as a magte. all offences not punishable with death, 387 ; took over charge of offe. of asst. comr., Merwara, 399 ; apptd. to be agent to administer on behalf of govt. the property vested in H. M. under Diwan's Estate Regn., 1887, 518 ; in-ested	

with powers of a magte. of 1st class, to be exercised within Ajmere dist., 505 ; apptd. to act as dist. magte. of Merwara, 505 ; took over charge of offe. of asst. comr., Ajmere	506
Deserters :—Reports of — from the army, 365, 376, 388, 402, 412, 436, 448, 462, 463, 477, 519, 575, 562, 588, 602, 612, 613, 624, 649, 662,	675
Dickie, Capt. J. E., R.E., asst. engr., 1st grade, and exe. engr., 4th grade, tempy. rank, mily. works dept., promtd. to exe. engr., 4th grade, snb. <i>pro tempore</i>	448
Doran, Mr. P. J. W., offg. survr., 4th grade, surv. of India, on seconded list, confirmed in that grade, but to continue on seconded list while holding the post of draftsman in head-qrs. offe. at Calcutta, 374 ; brought on active list	687
Downman, Mr. H., survr., 3rd grade, surv. of India, promtd. to survr., 2nd grade	687
Drew, Mr. W., exe. engr., 4th grade, <i>tempy. rank</i> , North-Western ry., granted furlo.	612
D'Souza, Mr. A., offg. depy. supdt., 4th grade, snrv. of India, confirmed in that grade	434
Duke, Surgn.-Maj. J., I.M.S., made over charge of duties of medl. offr., Malwa Bhil corps, and agency surgn., Bhopawar	447

E

EDGEELL, Lt. E. A., R.E., asst. engr., 2nd grade, mily. works dept., passed exmn. for promn. to 1st grade asst. engr.	687
Elephants for sale :—Notice of — at the comst. transport dept. at Mhow	378, 402
Elliot, Lt. G. S., R.E., asst. engr., 2nd grade, granted language leave in extn. of other leave	535
Erskine, Lt. K. D., asst. agent to govt. genl., Ajmere, and asst. to genl. supdt., Thagi and dacoity dept., granted extn. of priv. leave	425
Ewbank, Lt. W., R.E., asst. engr., 2nd grade, snb. <i>pro tem.</i> , passed colloquial exmn. in Hindustani, 390 ; passed exmn. for promn. to 1st grade asst. engineer	390
Ewing, Mr. A., asst. survr., 2nd grade, surv. of India dept., reve. branch, granted priv. leave	434
Ewing, Mr. W. H. D., asst. survr., 2nd grade, snrv. of India, promtd. to asst. survr., 1st grade	374

F

FAULKNER, Surgn. A. S., I.M.S., Bombay, took over medl. charge of Ulwar agency	459
Fazeelut Hussain, 3rd class hospl. asst., attd. to Raj dispensary at Sarara, was granted priv. leave	661
Fraser, Maj. E. A., M.S.C., 1st asst. to agent to govt.-genl. in Rajputana, granted priv. leave, 459 ; availed himself of priv. leave	503
Fraser, Mr. O. L., 2nd asst. to supdt. of Indian Museum, retnd. from priv. leave and resumed his duties	421

G

GALER, Mr. R. R., asst. engr., 2nd grade, North-Western ry., granted leave to study native languages	411
--	-----

	Page		Page
Gasper, Mr. C. B., asst. survr., 3rd grade, surv. of India dept., reve. Branch, granted priv. leave	484	H	
Gazette of India :—Notices relative to — 361, 373, 385, 397, 409, 421, 433, 445, 457, 471, 487, 499, 513, 525, 543, 559, 569, 583, 597, 609, 621, 631, 645, 659	659, 683	HARNESSULLAH, 1st class hospl. asst., Bhilawara dispensary in Meywar, transfd. to charitable dispensary, Ajmere, 410; transfd. from branch dispensary, Masuda, to govt. reserve list, 661; transfd. from govt. reserve list to police hospl., Ajmere	661
George, Mr. A., asst. suvr., 2nd grade, surv. of India, promtd. to asst. survr., 1st grade	374	Hak Nawas Khan, Khan Bahadur, native asst. to govr.-genl's agent in Baluchistan, retnd. from furlo. and assumed charge of his apptt.	534
Geyan Chand, 3rd class hospl. asst., attd. to Raj dispensary at Rajgurbh in Ulwar state, was granted priv. leave	661	Harding, W. H., 2nd grade apoth., services of — placed permty. at displ. of govt., N.-W. P. and Oudh.	398
Ghaese Ram, 3rd class hospl. asst. of native states reserve list, apptd. to off. at Raj dispensary at Sarara, 661; date of apptt. as 3rd class hospl. asst. for Govt. service and placed on reserve list of hospl. assta. for native states	687	Harrington, Surgn. H. N. V. I.M.S., (Madras), retnd. from furlo. and resumed charge of his duties as medl. offr. of Deoli irr. force and Harowtee and Tonk agency	687
Gholam Nubbi, hospl. asst., period during which— held charge of Deoli irr. force	687	Henvey, Mr. F., C.S., agent to govr.-genl. for C. I., resumed charge of his duties	447
Ghose, A., 3rd grade asst. surgn. of imperial list, services of — placed temply. at displ. of chief comr., Assam	437	Hickie, Mr. J., asst. survr., 1st grade, surv. of India, to off. as survr., 4th grade	686
Gibbs, R. T., class VI, 2nd grade, superior estabt. of Indian tel. dept., promn. to offg. class V, sanctioned	490	High Court:—Rules and orders passed by — at Fort William in Bengal, 385; jury rules read and passed as rules and orders of — 499; apptt. of comr. within all parts of England for the purpose of taking acknowledgments of married women of deeds to be executed by them in respect of property in British India	659
Gibson, Mr. A. J., survr., 2nd grade, surv. of India, reve. branch, granted priv. leave	559	Hill, Mr. A. D., asst. snpdt., class V, 2nd grade, Indian tel. dept., promtd. to asst. supdt., class V, 1st grade	637
Gilrath, Reva. A., a pastor of Methodist Episcopal church at Ajmere, licensed to solemnize marriages in Ajmere-Merwara	376	Hill, Mr. A. P., asst. supdt., class VI, 1st grade, tel. dept., allowed furlo.	375
Gokhale, Mr. K. K., 3rd grade asst. surgn., Imperial list, services of — placed temply. at displ. of chief comr., C. P.	611	Hilliard, Capt. W. R., R.E., asst. engr., 1st grade, mily. works dept., passed depl. standard exmn. in Hindustani, 587; promtd. to exe. engr., 4th grade, tempy., 587; reverted to asst. engr., 1st grade	649
Goodall, H. C. A., asst. snpdt., class VI., 2nd grade, Indian tel. dept., promn. of — to asst. supdt., offg. class V, sanctioned	648	Hittu Ram, Rai Bahadur, C.I.E., native asst. to govr.-genl.'s agent at Sibi, retnd. to duty	425
Goodenough, Lt. H. L., offg. sqnad. offr., 2nd regt., C. I. horse, granted priv. leave	425	Hodgson, Capt. G. B., S.C., asst. snpdt., 1st grade, surv. of India, promtd. to depy. snpdt., 4th grade	374
Goverdhandass Ranchordass, 3rd class hospl. asst., Native states reserve list, transfd. to Jeypore Raj service	410	Horsley, Mr. C. E., asst. snpdt., class V, 2nd grade, Indian tel. dept., promtd. to asst. snpdt., class V, 1st grade	637
Government Printing :—Books and publications for sale by supdt. of —, India, 370, 382, 392, 404, 416, 429, 438, 452, 465, 481, 494, 510, 521, 539, 553, 579, 584, 592, 605, 615, 626, 640, 653, 665, 678, 689	689	Hughes, Lt. F. T. C., adjt., Erinpura irr. force, granted priv. leave	376
Government Printing :—Books and publications for sale by snpdt. of — Bengal, 372, 384, 396, 408, 420, 432, 442, 455, 469, 485, 497, 525, 513, 541, 557, 581, 567, 595, 607, 619, 629, 643, 657, 667, 681	693	Hur Sahay, 3rd class hospl. asst., attd. to Shujangurb dispensary in Bikanir state, passed professional exmn. for 2nd class with English qualification at Agra, and is promtd. to 2nd class	365
Govind Rao Khandekar, supdt., comr.'s office, Ajmere, invested with powers of a magte. of 2nd class, to be exercised within Ajmere dist., 491; evidence of witnesses in certain cases to be taken down by — in English only, 491; recd. charge of office of extra asst. comr. and treasury offr., Ajmere, 551; nominated as a member of dist. board of Ajmere-Merwara	660	Hutchinson, Lt.-Col. H. S., S.C., offg. depy. snpdt., 3rd grade, surv. of India, confirmed in that grade	374
Grant, Mr. F., offg. asst. supdt., 1st grade, surv. of India, confirmed in that grade, 374; to off. as depy. supdt., 4th grade,	662	Hydayat Oollah, 2nd class hospl. asst., Rajputana, transfd. from police hospl., Ajmere, to jail hospl., Ajmere	661
Green, Surgn. C. R. M., I.M.S., took over medl. charge of Erinpura irr. force	399	I	
Guru Charan Lusker, 1st class hospl. asst., attd. to sudder dispensary at Utwar, held charge of duties of agency surgn. in addn. to his own duties	459	IMDAD HUSSAIN, 2nd class hospl. asst. attd. to ready. hospl. at Oodeypore, held charge of duties of ready. surgn., Meywar, in addn. to his own duties	476
Guru Dass Barnah, 3rd grade civil hospl. asst. of Assam provincial estabt., permty. transfd. to civil dept., Burma	436	Irvine, Surgn. G. B., I.M.S., recd. charge of duties of medl. offr., 2nd regt., C. I. horse, and agency surgn., Goona	425

	Page		Page
J			
JACKSON, Capt. H. M., R.E., offg. depy. supdt., 4th grade, surv. of India, confirmed in that grade, 374; to offg. as depy. supdt., 3rd grade	662	retnd. from priv. leave and resumed charge of his duties	550
Jacob, Mr. E. F., class II, grade II of superior reve. establt. of state rye., traffic dept., granted furlo. in extn. of furlo.	637	Lalla Chokha Nand, head vernacular writer in office of agent to govr. genl., British Baluchistan, apptd. to offg. as munsif of Quetta, and assumed charge of his duties as acting munsif	611
Jagat Narain, Munshi, invested with powers of a magte. of 2nd class to be exercised within Beawar Tehsil limits during the time he officiates as Teshildar, Beawar, and is further specially empowered to pass sentence of whipping	518	Law Reports :—Notices relative to Indian—, 367, 381, 392, 404, 414, 428, 438, 451, 465, 479, 493, 510, 520, 536, 553, 578, 564, 590, 604, 614, 626, 639, 651, 664, 677	689
James, Mr. A. J., snrvr., 4th grade, snrv. of India, apptd. survr., 3rd grade, 374; promn. of — to 3rd grade of survra., cancelled	583	Law Reports :—Notices relative to Bengal—, 368, 382, 392, 404, 414, 429, 438, 452, 465, 479, 494, 520, 537, 553, 578, 564, 590, 604, 615, 626, 639, 652, 664, 677	689
Jawala Pershad, 2nd class hospl. asst., govt. reserve list, Rajputana, transfd. to Kotra agency hospl.	410	Lee, Mr. C. G., asst. survr., 3rd grade, snrv. of India, promtd. to asst. survr., 2nd grade, 374; granted priv. leave, 386; correction of date of effect of above leave	458
Jones, Lt. G. S., offg. 2nd-in-comd., Deoli irr. force, apptd. to offg. as cantt. magte., Deoli, 399; invested with powers of a magte. of 2nd class to be exercised during the time he may act as cantt. magte., 399; recd. charge of office of cantt. magte., Deoli	435	Lingaiya, Mr. B., apptd. to be a spl. magte. for civil and mily. station of Bangalore	411
K		Lingiah, Mr. B., apptd. to be a municipal comr. in civil and mily. station of Bangalore	674
KATAROO RAM, 2nd class hospl. asst., Merwara battn., granted leave of absence with full pay	587	Littlewood, Mr. H. R., survr., 2nd grade, snrv. of India, promtd. to survr., 1st grade	374
Kaye, Lt. J. L., 1st regt., C. I. horse, granted priv. leave, 398; availed himself of priv. leave, 434, retnd. from priv. leave and assumed charge of duties of asst. agent to govr. genl. in C. I.	574	Loch, Maj. W., B.S.C., asst. to resdt., western Rajputana states, and boundary sett. offr. in Marwar, took over charge, in addn. to his own duties, of current duties of office of western Rajputana states residency	459
Kelly, Mr. F. W., depy. supdt., 4th grade, surv. of India, to offg. as depy. supdt., 3rd grade	662	Lowdell, Surgn. C. G. W., I.M.S., made over charge of duties of medl. offr., 2nd regt., C. I. horse, and agency surgn., Goona, 425; recd. charge of duties of medl. offr., Malwa Ehil corps, and agency surgn., Bhopawar	447
Kenyon, Mr. E. A., asst. supdt., class VI, 1st grade, tel. dept., allowed furlo.	434	Lyon, Mr. W. T., asst. comr., Punjab mines divn., northern India salt reve. dept., transfd. permty. to Sambhar divn.	602
Ker, P. C., asst. surgn., 3rd grade, Bengal provincial establt., dismissed the service of govt.	517	M	
King, Mr. D. A., survr., 4th grade, surv. of India, granted extn. of leave on m. c.	611	MACDONALD, Lt. J. R. L., R.E., asst. engr., 1st grade, mily. works dept., promtd. to exe. engr., 4th grade, 390; reverted to asst. engr., 1st grade	612
Kitchen, Mr. H. T., offg. survr., 4th grade, surv. of India, confirmed in that grade	680	Madgc, Mr. P. M., asst. snpdt., class VI, 1st grade, Indian tel. dept., promtd. to asst. snpdt., class V, 2nd grade	637
Knight, Mr. G. A., asst. survr., 1st grade, granted priv. leave	621	Madras, Mr. S. O., asst. survr., 1st grade, surv. of India, to offg. as snrvr., 4th grade, 687; to revert to his substantive apptt. of asst. survr., 1st grade	687
Kondapa, Mr. A., apptd. to be post-mr., Belgaum	603	Maheeboullah Khan, 2nd class hospl. asst., retnd. from leave, 410; transfd. from Kotra agency hospl. to govt. reserve list	410
Kudrootollah, 2nd class hospl. asst., Rajputana, retnd. from leave	410	Maher, C. J., 1st grade asst. apoth., services of — placed at displ. of Punjab govt.	398
Kumarasamy Moodliar, Mr. A., apptd. a spl. magte. for civil and mily. station of Bangalore	411	Mahomed Ally Khan, 3rd class hospl. asst., attld. to Iklera dispensary in Jballawar state, granted leave on p. a.	365
L		Mahomed Bux, 2nd class hospl. asst., Rajputana, transfd. from Raj. dispensary, Pertabgarh, to pensioned list	661
LAKEHMAN JIVIJEE, apptd. to be post-mr., Ahmedabad	603	Mangli Pershad, hospl. asst., apptd. 3rd class hospl. asst. for govt. service and transfd. to Nathdwara for Gomainjee's service	365
Lala Kishen Lal, invested with powers of a magte. of 3rd class to be exercised within limits of Merwara dist. during the time he offg. as naib teshildar of Beawar, and is further specially empowered to take cognizance of certain offences, 518; invested with powers of a munsif to be exercised within the Merwara dist.	534		
Lala Udho Dass, munsif at Sibi-Baluchistan, granted priv. leave, 375; granted priv. leave, 459			

	Page
Parmanund, hospl. asst., apptd. a 3rd class hospl. asst. for govt. service and placed in reserve list of hospl. assts. for service in Native states . . .	661
Patterson, Mr. W. H., depy. supdt., 4th grade, surv. of India, to offc. as depy. supdt., 3rd grade . . .	662
Paul, Lt. E. M., R.E., tempy. asst. engr., 2nd grade, mily. works dept., passed exmn. for promn. to 1st grade asst. engr.	602
Peacock, Col. H. P., took over charge of the Meywar ready. 447; resumed charge of Ulwar agency . . .	612
Pearl, Lt.-Col. G. R., comdt., Bhopal battn., retnd. from furlo. and took over comd. of the regt., 375; reed. charge of Bhopal (Sohore treasury) . . .	398
Fenrose, (Capt. E. R.), took over charge of his duties as offg. 2nd-in-comd., Moywar Bhil Corps, and offg. 2nd asst. to resdt., Meywar	410
Peyton, Mr. A., asst. loco. supdt., class III, grade 4, of superior reve. establt. of state rys., apptd. to offc. in class II	612
Poingdestre, Lt. A., adjt., Malwa Bhil corps, retnd. from priv. leave and resumed charge of his duties	398
Porter, Capt. G. M., R.E., exe. engr., 4th grade, mily. works dept., promtd. to exe. engr., 3rd grade, sub. <i>pro tem.</i>	448
Post Office :— Unclaimed letters held in Calcutta genl. — 366, 380, 391, 403, 413, 427, 437, 450, 463, 478, 492, 508, 519, 535, 551, 562, 576, 588, 603, 613, 624, 638, 651, 663, 675, 688; letters marked "care of —", 366, 380, 391, 403, 427, 437, 450, 463, 478, 492, 508, 519, 535, 551, 563, 577, 588, 603, 613, 625, 638, 650, 663, 675, 688; registered letters, 366, 380, 391, 403, 413, 427, 437, 450, 463, 478, 492, 508, 519, 535, 551, 563, 577, 588, 603, 613, 625, 638, 650, 663, 675, 688; unclaimed letters held in Barrackpore —, 366, 380, 391, 403, 413, 427, 437, 450, 463, 478, 492, 508, 519, 535, 551, 577, 563, 588, 603, 613, 625, 638, 650, 663, 675, 688; sea and foreign mails, 366, 380, 391, 403, 413, 427, 437, 450, 464, 478, 492, 509, 519, 535, 552, 577, 563, 589, 603, 613, 625, 638, 650, 663, 676, 688; notice regarding date of despatch of foreign mail steamer from Bombay . . .	478
Powell, Mr. F. B., asst. survr., 3rd grade, surv. of India dept., reve. branch, granted priv. leave . . .	364
Powell, Lt. S. H., R.E., asst. engr., 2nd grade, mily. works dept., passed colloquial exmn. in Hindustani, 390; passed exmn. for promn. to 1st grade asst. engr., 390; promtd. to asst. engr., 1st grade, sub. <i>pro tem.</i>	587
Powlett, Col. P. W., resdt., western Rajputana states, granted priv. leave 410; resumed charge of western Rajputana states agency	648
Price, Mr. W. H., class III, grade 2, superior reve. establt. of state rys., traffic dept., offd. in class II	675
Promissory Notes :— Statement of govt. — enclosed for payment of interest in London, under deduction of amount retransfd. to India, and outstanding in books of bank of Bengal on 30th June 1889, 362; on 15th July 1889, 389; on 31st July 1889, 424; on 15th Aug. 1889, 446; on 31st Aug. 1889, 472; on 15th Sep. 1889, 507; on 30th Sep. 1889, 560; on 15th Oct. 1889, 570; on 31st Oct. 1889, 600; on 15th Nov. 1889, 622; on 30th Nov. 1889, 646; on 15th Dec. 1889	672

	Page
Pullan, Col. A., S.C., depy. supdt., 2nd grade, surv. of India, to offc. as depy. supdt., 1st grade . . .	662

R

RAHIM BUX, 3rd class hospl. asst., Rajputana, transfd. from Sardarshahr dispensary in Bikanir to Ulwar Raj service	661
Rahmat Ali, hospl. asst., apptd. a 3rd class hospl. asst. for govt. service and placed on Native states reserve list	426
Bai Damodar Lal, invested with powers of a magte. of 2nd class to be exercised within Merwara dlat. Rajputana:—Book for sale in — to offrs. stationed there, 368, 382, 392, 404, 414, 429, 438, 452, 465, 480, 494, 521, 510, 537, 553, 578, 564, 590, 605, 615, 626, 639, 652, 665, 677, 689; notfn. under sec. 4 of Abu Wild Birds Protection Law, 1889, 447; rules under sec. 3 of Abu Wild Birds Protection Law, 1889, 447; gentlemen retnd. as members for Municipal Committees of Ajmere and Beawar, 387; amendment in rule II, (3) of forest bye-laws	575
Ramsay, Lt. J., offg. poll. gent, Bhopawar, granted priv. leave	574
Reilly, Mr. F., asst. engr., 1st grade, granted furlo. in extn. of furlo.	388
Rendell, Mr. T. H., survr., 4th grade, surv. of India, promtd. to survr., 3rd grade	583
Rice, Mr. G. S. E., asst. traffic supdt., class III, grade 3, of superior reve. establt. of state rys., offd. in class II for certain period	660
Rigby, Mr. V., exe. engr., 1st grade, granted furlo.	660
Rimington, Lt. J. C., R.E., asst. engr., 2nd grade, mily. works dept., promtd. to asst. engr., 1st grade, sub. <i>pro tem.</i>	506
Roberts, Surgeon A. E., I.M.S., assumed charge of his duties as offg. medl. offr. of Meywar Bhil corps	376
Roberts, Col. A. W., Bengal genl. list, cavy., made over charge of Kotah agency, 517; reed. charge of office of cantt. magte., Nusseerabad, 551; invested with powers of a magte. of 1st class and with powers to try summarily certain offences to be exercised within Ajmere dlat.	551
Robertson, Capt. E.E., 1st regt., C. I. horse, granted priv. leave, 398; availed himself of priv. leave . . .	475
Robinson, W. H., 1st grade asst. apoth., attd. to staff dispensary, Simla, granted priv. leave . . .	674
Roden, Mr. H. H., asst. engr., 1st grade, tempy. transfd. to Baluchistan, reported his arrival at Quetta, and is posted to Loralai divn.	648
Rogers, Lt.-Col. M. W., R.E., offg. depy. supdt., 2nd grade, surv. of India, confirmed in that grade	374
Rose, Lt. C. S., R.E., asst. engr., 2nd grade, N.-W. ry., granted spl. leave on u. p. a., 365; passed professional exmn. prescribed in p. w. d. code	399
Roy, Babu S. P., apptd. to be asst. compt., post office	603
Runchhor Lal Biswanath, 3rd class hospl. asst., Rajputana, transfd. from Native states reserve list to branch dispensary at Maanda in Ajmere . . .	661

	Page		Page
S			
SAVINGS BANK:—Abstract of operations of govt. — from 1st Apl. 1888, to 31st March 1889	386	mily. works dept., promtd. to exo. engr., 1st grade, sub. <i>pro tem.</i>	448
Scott, Mr. J. R., offg. survr., 4th grade, surv. of India, confirmed in that grade	374	Steel, Lt.-Col. E. H., S.C., depy. supdt., 3rd grade, surv. of India, to offe. as depy. supdt., 2nd grade	662
Soudamore, Lt. W. V., R.E., tempy. asst. engr., mily. works dept., apptd. to charge of Allahabad divn. mily. works in addn. to his own duties	462	Stevens, Lt. C. B., R.E., asst. engr., 2nd grade, tempy. mily. works dept., promtd. to asst. engr., 2nd grade, sub. <i>pro tem.</i> , 448; apptd. to charge of Agra divn., mily. works, 618; promn. of — to asst. engr., 2nd grade, sub. <i>pro tem.</i> , antedated. 506; apptd. to charge of onrrent duties of office of exe. engr., Agra divn., mily. works, 643; apptd. to charge of Meerut divn. mily. works, in addn. to his own duties	675
Sen, Babu S. C., student of Seebpore engineering college, apptd. as an asst. survr., 3rd grade, surv. of India, on probn.	459	Stewart, Lt.-Col. N. R., assumed charge of his duties as offg. comdt. of Merwara battn.	387
Senior, Mr. R. W., asst. survr., 2nd grade, surv. of India, granted an extn. of leave on m. c.	458	Stone, Lt. G. A. S., R.E., asst. engr., 1st grade, mily. works dept., promtd. to exe. engr., 4th grade. 390; reverted to asst. engr., 1st grade	390
Serrao, Mr. P. J., asst. survr., 2nd grade, surv. of India dept., reve. branch, granted priv. leave	398	Stotesbury, Mr. W., survr., 4th grade, surv. of India, on seconded list, apptd. survr., 3rd grade, but to continue on seconded list while holding post of draftsman in head qrs. office at Calcutta	374
Soyers, Mr. C. W. F., asst. survr., 1st grade, surv. of India, reve. branch, granted priv. leave	375	Strahan, Lt.-Col. C., R.E., offg. depy. suptd., 1st grade, surv. of India, confirmed in that grade	374
Shaha, A. K., asst. surgn., 2nd grade, Bengal provincial estabtn., dismissed the service of govt.	517	Subba Ram, Mr. H., apptd. to be a chairman of bench of spl. magtes. for civil and mily. station of Bangalore	411
Shaw, Mr. A. R., asst. comr., Didwana divn., Northern India salt reve. dept., granted priv. leave, 506; made over charge of Didwana divn., 562; assumed charge of Didwana divn., unexpired portion of leave being cancelled	675	Sullen, Mr. S., presdy. post mr., Madras, period of absence of — on priv. leave	380
Shekh Elahi Buksh, student of Lahore medl. college, admtd. into the service as an asst. surgn.	471	Survey of India:—Correction in — office notfn. No. 572 of 9th July 1889	398
Sheo Narain, 2nd class, hospl. asst., in charge Burdi dispensary, Baghelkhand agency, promtd. to grade of 1st class hospl. asst.	376	Survey of India Dept.:—Maps published at the head-qr. offices, Calcutta and Dehra Dun, for qr. ending 30th June 1889, 378, 30th Sept. 1889	572
Sheo Pershad, 2nd class hospl. asst. in charge Chandia dispensary in Baghelkhand agency, promtd. to grade of 1st class hospl. asst.	590	Swinson, Lt. A. L., R.E., asst. engr., 2nd grade, mily. works dept., promtd. to asst. engr., 1st grade, sub. <i>pro tem.</i> , 448; above promn. antedated	506
Shive Shanker Daya Shanker, hospl. asst., apptd. a 3rd class hospl. asst. for govt. service and placed on Native states reserve list, 410; apptd. to offe. at Fouj hospl. at Oodeypore	410	Syud Sujjad Hussain, 2nd class hospl. asst., attd. to Deoli irr. force, granted leave of absence with full pay, 401; retnd. from leave	590
Shive Shunker Khushalrai Mehta, hospl. asst., apptd. 3rd class hospl. asst. for govt. service, and placed on reserve list of hospl. assts. for service in Native states	575	T	
Showers, Lt. H. L., wing offr., Moywar Bhil corps, granted priv. leave	376	TARA SINGH, tehsildar of Ajmere, invested with powers of a magto. of 2nd class, to be exercised within Ajmere dist.	660
Smart, Mr. A. B., asst. survr., 3rd grade, surv. of India, to the asst. survr., 2nd grade	371	Telegraph Dept.:—Offices reptd. opened and closed during month of Juno 1889, 375; July 1889, 425; Aug. 1889, 490; Sep. 1889, 550; Oct. 1889, 612; Nov. 1889	660
Smart, Mr. R. B., survr., 4th grade, surv. of India, promtd. to survr., 3rd grade	686	Thomson, Mr. C., exe. engr., Meywar state, granted spl. leave on u. p. a.	388
Smith, Lt. F. deH., offg. squad. offr., 1st regt. C. I. horse, grantd. priv. leave in extn. of priv. leave, 375; retnd. from priv. leave, 434; availed himself of genl. leave	531	Thornton, Maj. A. P., B.S.C., and poll. agent Harowtee and Tonk, granted priv. leave, 475; availed himself of priv. leave, 517; resumed charge of his duties as poll. agent, Harowtee and Tonk	587
Smith, Mr. M., perenl. asst. to supdg. engr., Rajputana and C. I., apptd. to relieve Lt.-Col. L. F. Boileau	550	Townshend, Lt. O. V. F., offg. squad. offr., and squad. comdr., 2nd regt., C. I. horse, priv. leave granted to — is extd.	459
Smith, Lt.-Col. P. W., G. L. I., Bengal, and comdt., Erinpura irr. force, grntd. priv. leave	459	Townshend, Capt. R.E., asst. engr., 1st grade, mily. works dept., promtd. to exe. engr., 4th grade	390
Sobha Ram, 1st class hospl. asst., attd. to Rajputana agency hospl., medl. charge of detachment Kripura irr. force and of magistracy jail at Abu, transfd. from —, 624; assumed charge of detachment, Meywar Bhil corps, forming escort of agent to govr. genl. for Rajputana	624	Treasure Trove:—Noticos relative to —, 305, 378, 402, 411, 426, 435, 449, 450, 463, 477, 492, 508, 518, 535, 562, 588, 602, 613, 624, 637, 649	675
Spooner, Mr. G. P., dist. loco. supdt., class II, grade 4, Oudh and Rohilkhand ry., granted furlo.	687		
Spratt, Maj. F. T. N., R.E., exe. engr., 2nd grade,			

	Page
Tregear, Mr. J. R., asst. supdt., Rajputana-Malwa ry. police, retnd. from priv. leave	399
Tuke, Capt. M. L., R.E., asst. engr., 1st grade, mily. works dept., passed deptl. standard exmn. in Hindustani	624

U

UMIA SHUNKER SHIVE SHUNKER, 3rd class, hospl. asst. of reserve list of hospl. assts. for service in Native states, apptd. to offe. at Iklera dispensary in Jhallawar state	305
University :—	
Orders by vice-chancellor and syndicate of the Calcutta —, 373, 433, 474, 491, 503, 528,	544, 597, 609, 683
Notice regarding a lecture by Tagore professor of law on the law relating to riparian rights, &c.	398
Notice regarding vacant post of first asst. in office of — of Calcutta	431
Notice regarding — exmins.	457, 471
Notice regarding the election of a Tagore professor of law	458, 471
Notice regarding lecture by Tagore professor of law on the law of agency in British India, 636,	648
Notice regarding exmins. of Calcutta — for 1890	636

W

WADE, Lt. J. M., R.E., asst. engr., 1st grade, mily. works dept., promtd. to exe. engr., 4th grade, 390; reverted to asst. engr., 1st grade, 390; promtd. to exe. engr., 4th grade, 390; reverted to asst. engr., 1st grade, 390; promtd. to asst. engr., 4th grade, tempy., 587; reverted to asst. engr., 1st grade	587
Waller, Mr. J., apptd. to be post-mr., Poona	603

	Page
Warde, Mr. F. E., asst. survr., 3rd grade, surv. of India, granted priv. leave, 458; promtd. to asst. survr., 2nd grade	687
Warwick, Mr. R. F., asst. survr., 2nd grade, surv. of India, to be asst. survr., 1st grade	374
Waterhouse, Col. J., S.C., offg. depy. supdt., 2nd grade, surv. of India, confirmed in that grade, 374; granted priv. leave	413
Wilkins, Col. W. H., S.C., depy. supdt., 2nd grade, surv. of India, to offe. as depy. supdt., 1st grade	662
Williams, Mr. W., supdt., class IV, 2nd grade, tel. dept., allowed spl. leave on u. p. a.	687
Wilmer, Col. J. R., S.C., depy. supdt., 3rd grade, surv. of India, to offe. as depy. supdt., 2nd grade	662
Wilson, Mr. C. D., D., asst. engr., 2nd grade, granted an extn. of leave on m. c., 376; granted a further extn. of furlo. on m. c.	435
Wilson, Lt.-Col. F. A., poll. agent, Bundelkhand, granted priv. leave	447
Wilson, Mr. J. H., asst. survr., 1st grade, surv. of India, to offe. as survr., 4th grade, 374; to revert to his substantive apptt. of asst. survr., 1st grade, 374; to offe. as survr., 4th grade	374
Windross, M., 1st grade asst. apothy., services of — placed at displ. of chief comr., C.P.	409
Wylie, Lt.-Col. H., C.S.I., made over charge of Bhopal (Sehore) treasury, 375; permtd. to proceed on priv. leave, 398; retnd. from priv. leave and assumed charge of his duties as poll. agent in Bhopal	587

Y

YUSUF NARAIN, 2nd class, hospl. asst. attd. to agency hospl. at Deoli., period during which — held charge of duties of agency surgn. in addn. to his own duties	687
Yusuf Sharif, Munshi, Khan Bahadur, asst. survr., 3rd grade, surv. of India, granted priv. leave	669

INDEX TO The Gazette of India.

JULY TO DECEMBER 1889.

PART III.

A

	Page
ADVERTISEMENTS and notices by private individuals and corporations	53, 55, 57, 59, 61, 83, 87

F

FUNDS :—

Abstract statement of audited accounts of Hindu Family Annuity Fund for the quarter ended 30th June 1888	53
Abstract statement of Uncovenanted Service Family Pension Fund for 3rd quarter ending 31st January 1889, compared with corresponding quarter of the year 1888	62
Result of votes on proposal submitted in Circular No. 1, dated 1st March 1889, of Uncovenanted Service Family Pension Fund	75
Result of votes on proposal submitted in Circular No. 3 of 31st May 1889 of Uncovenanted Service Family Pension Fund	79
Abstract statement of audited accounts of Hindu Family Annuity Fund for quarters ended 30th September and 30th December 1888	89

P

PROMISSORY NOTES :—Lost, stolen, &c., 53, 55, 57, 58, 59, 61, 63, 64, 65, 67, 68, 69, 71, 73, 75, 77, 79, 82, 85, 87, 88, 90, 91, 93, 95, 97, 99, 101, 103, 104	
---	--

INDEX TO The Gazette of India.

JULY TO DECEMBER 1889.

PART IV.

ACTS OF THE GOVERNOR GENERAL'S COUNCIL ASSENTED TO BY THE GOVERNOR GENERAL :—	Page
Act No. 12 of 1889 :—An Act to amend the Indian Merchandise Marks Act, 1889	83
Act No. 13 of 1889 :—The Cantonments Act, 1889	85
Act No. 14 of 1889 :—An Act to indemnify certain witnesses	93
Act No. 15 of 1889 :—An Act to prevent the disclosure of official documents and information	95
Act No. 16 of 1889 :—An Act to amend the Central Provinces Land Revenue Act, 1881, and the Central Provinces Local Self-Government Act, 1883	97
Act No. 17 of 1889 :—An Act to amend the Central Provinces Tenancy Act, 1883	107
Act No. 18 of 1889 :—The Central Provinces Municipal Act	111
Act No. 19 of 1889 :—An Act to make better provision for sanitation in villages in the Central Provinces	137
Act No. 20 of 1889 :—An Act to amend Act XXXVI of 1858, relating to Lunatic Asylums	139

INDEX TO

The Gazette of India.

JULY TO DECEMBER 1889.

PART V.

BILLS INTRODUCED INTO THE COUNCIL OF THE GOVERNOR GENERAL FOR MAKING LAWS AND REGULATIONS OR PUBLISHED UNDER RULE 22 :—	Page
No. 6 of 1889.—A Bill to amend Acts VI and VII of 1884, Inland Steam-vessels Act, 1884, and Indian Steam-ships Act, 1884	153
No. 7 of 1889.—A Bill to amend the Central Provinces Tenancy Act, 1883, and the Central Provinces Local Self-Government Act, 1883	155
No. 8 of 1889.—The Central Provinces Municipal Bill	159
No. 9 of 1889.—A Bill to make better provision for conservancy in villages in the Central Provinces	179
No. 10 of 1889.—A Bill to amend Act XXXVI of 1858, relating to Lunatic Asylums	181
No. II.—A Bill to amend the law relating to Cantonments	186
No. 11 of 1889.—A Bill to amend Acts XVII of 1864 (an Act to constitute an office of Official Trustee), X of 1865 (Indian Succession Act), II of 1874 (Administrator General's Act), and V of 1881 (Probate and Administration Act)	193
No. 12 of 1889.—A Bill to amend the Indian Merchandise Marks Act, 1889	197
No. 13 of 1889.—A Bill to amend the Indian Forest Act, 1878, the Burma Forest Act, 1881, and the Upper Burma Forest Regulation, 1887	199
No. 14 of 1889.—A Bill to indemnify certain witnesses	203
No. 15 of 1889.—A Bill to prevent the disclosure of official documents and information	205
No. II.—A Bill to amend Act XXXVI of 1858	208
No. II.—The Central Provinces Municipal Bill	211
No. II.—A Bill to make better provision for sanitation in villages in the Central Provinces	234
No. 16 of 1889.—A Bill to amend Act XXV of 1867 for regulation of printing presses and newspapers, &c.	235

INDEX TO The Gazette of India.

JULY TO DECEMBER 1889.

PART VI.

ABSTRACT OF PROCEEDINGS OF COUNCIL OF GOVERNOR GENERAL OF INDIA, ASSEMBLED FOR THE PURPOSE OF
MAKING LAWS AND REGULATIONS, UNDER THE PROVISIONS OF THE ACT OF PARLIAMENT 24 AND 25 VICT.,
CAP. 67 :—

	Page
On 3rd July 1889	129
„ 10th „ „	133
„ 14th August „	139
„ 28th „ „	145
„ 4th September „	149
„ 10th „ „	153
„ 3rd October „	163
„ 10th „ „	165
„ 17th „ „	169
„ 24th „ „	181
„ 13th December „	189
„ 20th „ „	197

INDEX TO
The Gazette of India.
EXTRAORDINARY.
JULY TO DECEMBER 1889.

28th November 1889 :—

Notification regarding the arrival of the Viceroy and Governor General at Calcutta

Page

30th December 1889, No. 4879-I :—

Notifies the arrival at Calcutta of H. R. H. the Prince Albert Victor of Wales

INDEX TO SUPPLEMENTS TO

The Gazette of India.

JULY TO DECEMBER 1889.

	Page		Page
Burma :—Notes on the progress made in the settlement of Upper — from April 1887 to August 1889	1151	Statement of — and rainfall in the Madras Presidency for 1888-89	1363
Contracts :—Execution of Deeds — &c., on behalf of the Secretary of State, 920; execution of— in territories under administration of Lieutenant-Governor of Bengal	947	Jails :—Review of reports on the administration of the — in the several provinces of British India for the year 1888	1003
Crops .—Weekly report on the state of the season and prospects of the—832, 846, 875, 896, 910, 926, 945, 1047, 1076, 1092, 1099, 1121, 1129, 1172, 1208, 1218, 1253, 1276, 1279, 1292, 1309, 1315, 1328, 1351, 1359,	1406	Marriage Returns :—transmission of — by registrars to registrars General of Births, Deaths and Marriages under Act VI of 1886	921
Currency Department :—Report upon the operations of the — for the year 1888-89	959	Peeychers, Mr. H. W., surveyor, 3rd grade, survey of India, promoted to surveyor, 2nd grade	374
Customs Revenue :—Comparative statement of net Indian sea and land (excluding salt revenue) for first three months of official year 1889-90 and of 18 preceding years, 860; for first four months of do. and of do., 997; for first five months of do. and of do., 1111; for first six months of do. and of do., 1212; for first eight months of do. and of do.	1361	Prices-current of food-grains for 1st half of May 1889, 788; for 2nd half of May 1889, 836; for 1st half of June 1889, 900; for 2nd half of June 1889, 990; for 1st half of July 1889, 1054; for 2nd half of July 1889, 1104; for 1st half of August 1889, 1142; for 2nd half of August 1889, 1196; for 1st half of September 1889, 1222; for 2nd half of September 1889, 1282; for 1st half of October 1889, 1300; for 2nd half of October 1889, 1330; for 1st half of November 1889	1370
Emigration :—Abstract showing the result of — from the port of Calcutta during the month of May 1889, 871; during the month of July 1889, 1087; during the month of August 1889, 1205; during the month of September 1889, 1294; during the month of October 1889	1353	Railways :—	
Indebtedness of Government officials :— Procedure to be followed in the treatment of cases of —	1213	Approximate statement of gross receipts and expenses of Indian —	
Irrigation :—		No. 10 of 1889-90	834
Revenue Report of — works in Sind for 1887-88.	795	„ 11 of „	848
Statements of — operations in Bengal for kharif season of 1888	915	„ 12 of „	877
Comparative statement of — and rainfall on new works of — in the Deccan and Gujarat for 1888-89	998	„ 13 of „	898
Statements of — operations in the N.-W. P. for the rabi season of 1888-89 and for the whole year	1061	„ 14 of „	912
Statements of — operations on perennial canals in the Punjab for the rabi crop of 1888-89, and comparative statement of — and rainfall on those canals for the years 1887-88 and 1888-89.	1080	„ 15 of „	939
Statements of — operations on inundation canals in the Punjab for the rabi crops of 1888-89, and comparative statement of — and rainfall in the districts irrigated by those canals for the years 1887-88 and 1888-89	1112	„ 16 of „	957
Statement of — operations in Bengal for the rabi season of 1888-89	1263	„ 17 of „	1049
		„ 18 of „	1078
		„ 19 of „	1094
		„ 20 of „	1101
		„ 21 of „	1123
		„ 22 of „	1131
		„ 23 of „	1174
		„ 24 of „	1210
		„ 25 of „	1220
		„ 26 of „	1255
		„ 27 of „	1278
		„ 28 of „	1291
		„ 29 of „	1295
		„ 30 of „	1308
		„ 31 of „	1319
		„ 32 of „	1337
		„ 33 of „	1354
		„ 34 of „	1377
		„ 35 of „	1408

	Page		Page
Returns of accidents on Indian — for 4th qr. of 1888, 849; for 1st qr. of 1889	1175	loss of the — off the Bombay coast in November 1888	1233
Synopsis of transactions for and to end of the year 1888	1182	Wages of skilled and unskilled labour for the half- year ending 30th June 1889	1257
General rules for working Indian —	913	Weather Review of India for week ending 1st July 1889, 828; for week ending 8th July 1889, 843; for week ending 15th July 1889, 872; for week ending 22nd July 1889, 892; for week ending 29th July 1889, 907; for week ending 5th August 1889, 923; for week ending 12th August 1889, 941; for week ending 19th August 1889, 1043; for week ending 26th August 1889, 1072; for week ending 2nd September 1889, 1088; for week ending 9th September 1889, 1095; for week ending 16th September 1889, 1117; for week ending 23rd September 1889, 1125; for week ending 30th September 1889, 1168; for week ending 7th October 1889, 1204; for week ending 14th October 1889, 1215; for week ending 21st October 1889, 1250; for week ending 28th October 1889, 1273; for week ending 4th November 1889, 1289; for week ending 11th November 1889, 1297; for week ending 18th November 1889, 1311; for week ending 25th November 1889, 1325; for week ending 2nd December 1889, 1348; for week ending 9th December 1889, 1356; for week ending 16th December 1889	1403
Administration report of Indian — for 1888	928	Weather Summary for June 1889, 884; for July 1889, 1067; for August 1889, 1163; for Sep- tember 1889, 1269; for October 1889, 1321; for November 1889	1400
Statement of finl. statistics of state — for the year 1888	1051	Wild animals and venomous snakes:—Statement comparing the mortality among human beings and cattle in different provinces of British India in the years 1887 and 1888 from injuries received from — and also the results of measures taken to extirminate—	1316
General rules for the working of Indian —	1149		
Revenue and Agricultural Department:—Statement showing the imports of cotton, indigo, wheat, and linseed by rail and river into Bombay town, Karachi and Calcutta during the month of August 1889, 1318; rules for guidance of Indian Govern- ment scholars in England	1355		
Savings Banks:—Report on operations of — in India for the year 1888-89	1339		
School for modern oriental studies established by the Imperial institute of United Kingdom, the Colonies and India in union with University College and King's College, London	1229		
Schools and Colleges:—Discipline and moral training in — in India	947		
Text-book on domestic economy and sanitary science for the use of senior classes of English and anglo- vernacular schools in India	1042		
Secretariat Clerical Service:—Exclusion of certain offices from the operation of the rules for regula- tion of apptts. in the — of Government of India	919		
Statistics and Commerce:—Review of the working of Indian Compy.'s Act, VI of 1882, during the year 1888-89	1243		
Surveys:—Resolution by the Government of India on the general report on the operations of the survey department of India for the year 1887-88	881		
Telegraph:—Administration report of the Indo- European — department for the year 1888-89	1379		
Vaitarna, S. S.:—Correspondence relating to the			